

## SERVICE MANUAL

## DA-4 CHASSIS

<u>MODEL NAME</u>	<u>REMOTE COMMANDER</u>	<u>DESTINATION</u>	<u>CHASSIS NO</u>
<b>KD-30XS955</b>	RM-Y199	US	SCC-S66U-A
<b>KD-30XS955</b>	RM-Y199	HAWAII	SCC-S69K-A
<b>KD-34XBR960</b>	RM-Y201	US	SCC-S66V-A
<b>KD-34XBR960</b>	RM-Y201	HAWAII	SCC-S69L-A
<b>KD-34XS955</b>	RM-Y199	US	SCC-S66W-A
<b>KD-34XS955</b>	RM-Y199	CANADA	SCC-S70V-A
<b>KD-34XS955</b>	RM-Y199	HAWAII	SCC-S69M-A
<b>KD-36XS955</b>	RM-Y199	US	SCC-S66X-A
<b>KD-36XS955</b>	RM-Y199	HAWAII	SCC-S69N-A

***This manual is for units within the following S/N range:***

***For KD-30XS955 - S/N 4,000,001 - 4,500,000 and 8,000,001 - 8,500,000***

***For KD-34XS955 - S/N 9,000,001 - 9,500,000 and 8,000,001 - 8,500,000***

### ORIGINAL MANUAL ISSUE DATE: 6/2004

#### UPDATED ITEM

REVISION DATE	SUBJECT
6/2004	No revisions or updates are applicable at this time.
7/2004	Reissue entire manual
11/2004	Updated Table of Contents (Replace Pg. 3 with Pg. 3) Added Note to Cable Wire Dressing section (Replace Pg. 13 with Page 13) Updated 2-1. Beam Landing instructions (Replace Pg. 34 with Pg. 34) Updated ID Map Table (Replace Pg. 92 with Pg. 92) Updated Circuit Boards Location diagram (Replace Pg. 93 with Pg. 93) Replaced P Board Schematic Diagram (Replace Pg. 99 with Pg. 99) Added PA Board Schematic and PWBs (Add Pgs. 100-A and 100-B) Updated BY Board PWBs (Replace Pgs. 111 & 112 with Pgs. 111 & 112) Updated DZ Board Schematic (2 of 2) (Replace Pg. 123 with Pg. 123) Added PA Board to Exploded View section (Replace Pgs. 141, 143, & 145 with Pgs. 141, 143, & 145) Added PA Board information to Electrical Parts Lists (Add Pgs. 204-208)
12/2004	Corrected Self-Diagnostic Circuit Diagram (Replace Pg. 9 with Pg. 9)
2/2005	Updated 2-1. Beam Landing instructions (Replace Pg. 34 with Pg. 34) Reorganized 2-2. Convergence and 2-3. V-Pin and V-Cen Adjustment instructions (Replace Pg. 35 with Pg. 35) Corrected Block Diagram (Replace Pg. 94 with Pg. 94) Updated DZ Schematic Diagram to correct IC5005 pin 3 (Replace Pg. 122 with Pg. 122) Corrected Exploded View diagrams to show correct placement of Neck Assembly & Landing Coil Correction Corrected PN for Control Door & Power Button, Added Door Damper (Replace Pgs. 142, 144, & 146 with Pgs. 142, 144, & 146)
6/2005	Added Serial Number range to Front Cover and History Information pages.
7/2005	Revised Serial Number range to Front Cover and History Information pages. Corrected Model Names on Exploded View. Changed 'KV' to 'KD'. (Replace Pgs 143 and 144)

TRINITRON® COLOR TELEVISION  
**SONY®**

# SERVICE MANUAL

# DA-4 CHASSIS

*Self Diagnosis*  
Supported model

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<b>KD-34XBR960</b>	RM-Y201	HAWAII	SCC-S69L-A
<b>KD-34XS955</b>	RM-Y199	US	SCC-S66W-A
<b>KD-34XS955</b>	RM-Y199	CANADA	SCC-S70V-A
<b>KD-34XS955</b>	RM-Y199	HAWAII	SCC-S69M-A
<b>KD-36XS955</b>	RM-Y199	US	SCC-S66X-A
<b>KD-36XS955</b>	RM-Y199	HAWAII	SCC-S69N-A

***This manual is for units within the following S/N range:***

***For KD-30XS955 - S/N 4,000,001 - 4,500,000 and 8,000,001 - 8,500,000***

***For KD-34XS955 - S/N 9,000,001 - 9,500,000 and 8,000,001 - 8,500,000***



KD-34XBR960



RM-201

TRINITRON® COLOR TELEVISION  
**SONY®**

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## SPECIFICATIONS

**Power Requirements** 120V AC, 60Hz

### Inputs/Outputs

#### HDMI IN

Video

1080i, 720p, 480p, 480i

Audio Two channel linear PCM 32, 44.1 and 48 kHz,  
16, 20, and 24 bit

#### Video (IN)

4 total (1 on front panel)

1Vp-p, 75ohms unbalanced, sync negative

#### S Video (IN)

3 total (1 on front panel)

Y: 1Vp-p, 75ohms unbalanced, sync negative

C: 0.286Vp-p (Burst signal), 75ohms

#### Audio (IN)

7 total (1 on front panel)

500 mVrms (100% modulation)

Impedance:47 kilo ohms

#### Control S (IN/OUT)

1 total

### Component Video Input

2 (Y, PB, PR)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative

P<sub>B</sub>: 0.7 Vp-p, 75 ohms;

P<sub>R</sub>: 0.7 Vp-p, 75 ohms

### Audio OUT (VAR/FIX)

1 total

At the maximum volume setting

More than 408 mVrms (Variable)

More than 408 mVrms (Fixed)

Impedance (Output):2 kilo ohm

### i.LINK (KD-34XBR960 Only)

3 total (1 on front panel)

4-pin S400 i.LINK terminal

### Digital Audio Optical Output

#### PCM/Dolby Digital

1 total

Optical Rectangular

### CableCARD Slot

PCMCIA Type I/II

	KD-30XS955	KD-34XBR960	KD-34XS955	KD-36XS955
<b>Speaker Output (W)</b>	7.5 W x 2 15W Subwoofer			
<b>Power Consumption (W)</b>				
<b>In Use (Max)</b>	220 W	270 W	250 W	270 W
<b>In Standby</b>	3 W	3 W	3 W	3 W
<b>In CableCARD Standby</b>	20 W	23 W	20 W	20 W
<b>Dimensions (W x H x D)</b>				
<b>mm</b>	898 x 604 x 564.5 mm	994 x 652 x 605 mm	994 x 654 x 604 mm	994 x 776.5 x 634 mm
<b>in</b>	35 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>4</sub> x 22 <sup>1</sup> / <sub>4</sub> in	39 <sup>1</sup> / <sub>8</sub> x 25 <sup>5</sup> / <sub>8</sub> x 23 <sup>7</sup> / <sub>8</sub> in	39 <sup>1</sup> / <sub>8</sub> x 25 <sup>3</sup> / <sub>4</sub> x 23 <sup>3</sup> / <sub>4</sub> in	39 <sup>1</sup> / <sub>8</sub> x 30 <sup>5</sup> / <sub>8</sub> x 25 in
<b>Mass</b>				
<b>kg</b>	67 kg	89 kg	93 kg	108.2 kg
<b>lbs</b>	148 lbs	196 lbs	205 lbs	238.5 lbs

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### ● SRS (SOUND RETRIEVAL SYSTEM)

The ● SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

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*Design and specifications are subject to change without notice.*



**Television system**

American TV standard, NTSC  
 ATSC compliant (8 VSB terrestrial)  
     ATSC compliant 8 VSB terrestrial  
 QAM on cable     ANSI/SCTE 07 2000

**Channel coverage**

Analog  
     VHF: 2-13/ UHF: 14-69/ CATV: 1-125  
 Digital  
     VHF: 2-13/ UHF: 14-69/ CATV: 1-135

**Picture tube**

FD Trinitron<sup>®</sup> tube

**Visible screen size**

30-inch picture measured diagonally (KD-30XS955 Only)  
 34-inch picture measured diagonally (KD-34XBR960/34XS955 Only)  
 36-inch picture measured diagonally (KD-36XS955 Only)

**Actual screen size**

32-inch measured diagonally (KD-30XS955 Only)  
 36-inch measured diagonally (KD-34XBR960/34XS955 Only)  
 38-inch measured diagonally (KD-36XS955 Only)

**Antenna**

75 ohm external terminal for VHF/UHF

**Supplied Accessories**

Remote Commander  
     RM-Y199 (KD-30XS955/34XS955/36XS955 Only)  
     RM-Y201 (KD-34XBR960 Only)  
 Two Size AA (R6) Batteries

**Optional Accessories**

AV Cable: VMC-810/820/830 HG  
 Audio Cable: RKC-515HG  
 Component Video Cable: VMC-10/30 HG  
 ILINK cables: (KD-34XBR960 Only)  
     VMC-IL4415 (4-pin to 4-pin, 1.5 meters)  
     VMC-IL4435 (4-pin to 4-pin, 3.5 meters)  
 TV Stand:  
     SU-30HX1 (KD-30XS955 Only)  
     SU-34XBR3 (KD-34XBR960 Only)  
     SU-34HX1 (KD-34XS955 Only)  
     SU-36HX1 (KD-36XS955 Only)

## WARNINGS AND CAUTIONS

### CAUTION


Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

### WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



### SAFETY-RELATED COMPONENT WARNING!!

Components identified by shading and  mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.


### ATTENTION!!

Après avoir déconnecté le cap de l'anode, court-circuiter l'anode du tube cathodique et celui de l'anode du cap au châssis métallique de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'éviter tout risque d'électrocution provenant d'un châssis sous tension, un transformateur d'isolement doit être utilisé lors de tout dépannage. Le châssis de ce récepteur est directement raccordé à l'alimentation du secteur.



### ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifiés par une trame et par une marque  sur les schémas de principe, les vues explosées et les listes de pièces sont d'une importance critique pour la sécurité du fonctionnement. Ne les remplacer que par des composants Sony dont le numéro de pièce est indiqué dans le présent manuel ou dans des suppléments publiés par Sony. Les réglages de circuit dont l'importance est critique pour la sécurité du fonctionnement sont identifiés dans le présent manuel. Suivre ces procédures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

### How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble-light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

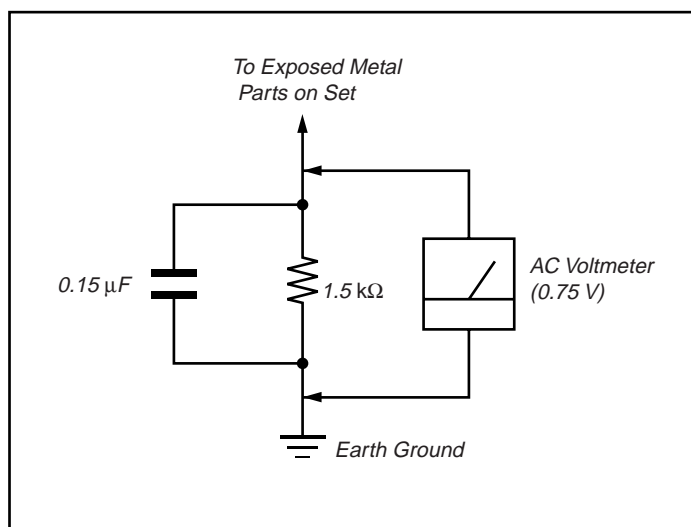


Figure A. Using an AC voltmeter to check AC leakage.

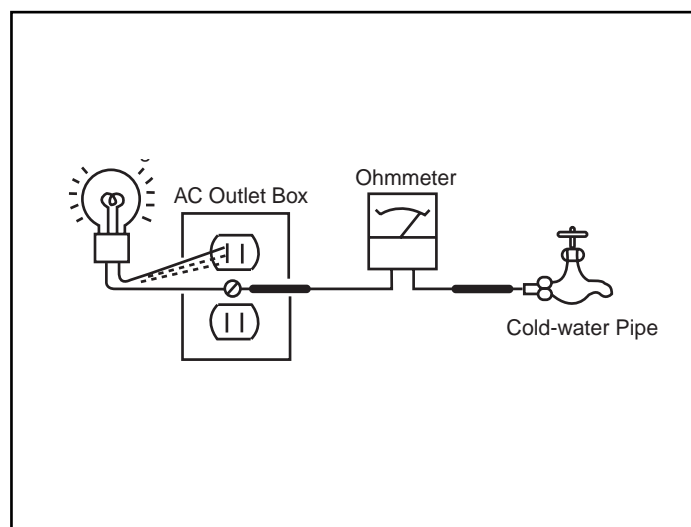


Figure B. Checking for earth ground.

## SELF-DIAGNOSTIC FUNCTION



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

### Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", an error has occurred.

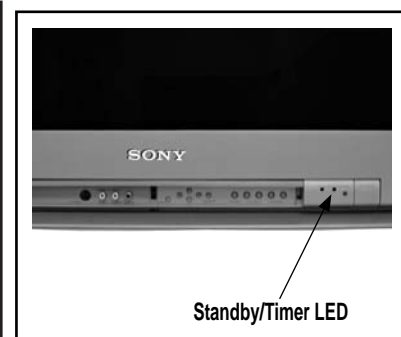
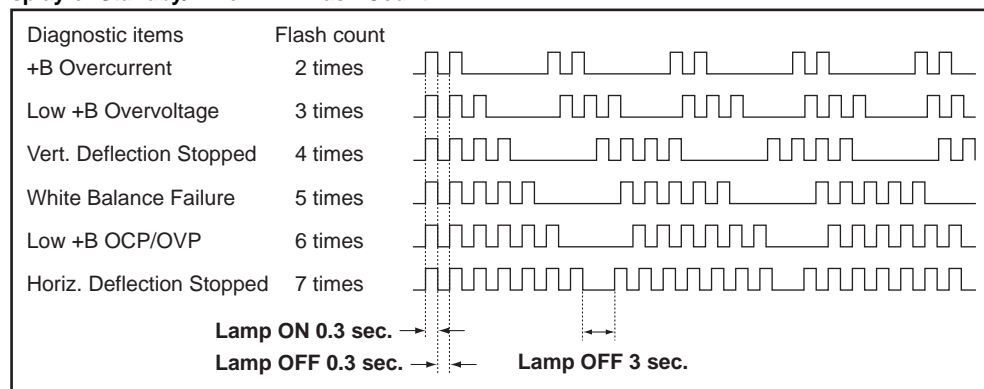
Diagnostic Item	No. of times STANDBY / TIMER lamp flashes	Display Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	—	<ul style="list-style-type: none"> <li>Power cord is not plugged in.</li> <li>Fuse is burned out (F501). (AZ Board)</li> </ul>	<ul style="list-style-type: none"> <li>Power does not come on.</li> <li>No power is supplied to the TV.</li> <li>AC Power supply is faulty.</li> </ul>
+B Overcurrent (OCP)*	2 times	2:0 or 2:1	<ul style="list-style-type: none"> <li>H.OUT (Q5030) is shorted. (DZ Board)</li> <li>+B PWM (Q5003) is shorted. (DZ Board)</li> </ul>	<ul style="list-style-type: none"> <li>Power does not come on.</li> <li>Load on power line shorted.</li> </ul>
Low +B Overvoltage (OVP)	3 times	3:0 or 3:1	<ul style="list-style-type: none"> <li>IC6505 is faulty. (DZ Board)</li> </ul>	<ul style="list-style-type: none"> <li>Has entered standby mode.</li> </ul>
Vertical Deflection Stopped	4 times	4:0 or 4:1	<ul style="list-style-type: none"> <li>15V is not supplied. (DZ Board)</li> <li>IC5004 is faulty. (DZ Board)</li> </ul>	<ul style="list-style-type: none"> <li>Has entered standby mode after Horizontal raster.</li> <li>Vertical deflection pulse is stopped.</li> <li>Power line is shorted or power supply is stopped.</li> </ul>
White Balance Failure (not balanced)	5 times	5:0 or 5:1	<ul style="list-style-type: none"> <li>Video OUT (IC9001-IC9003) is faulty. (CX Board)</li> <li>CRT drive (IC2801) is faulty. (BY Board.)</li> <li>G2 is improperly adjusted.**</li> </ul>	<ul style="list-style-type: none"> <li>No raster is generated.</li> <li>CRT cathode current detection reference pulse output is small.</li> </ul>
LOW +B OCP/OVP (overcurrent/overvoltage)***	6 times	6:0 or 6:1	<ul style="list-style-type: none"> <li>+5 line is overloaded. (AZ, BY, MZ Boards)</li> <li>+5 line is shorted. (AZ, BY, MZ Boards.)</li> <li>IC504 is faulty. (AZ Board)</li> </ul>	<ul style="list-style-type: none"> <li>No picture</li> </ul>
Horizontal Deflection Stopped	7 times	7:0 or 7:1		<ul style="list-style-type: none"> <li>No picture</li> </ul>

\* If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

\*\* Refer to Screen (G2) in Section 2-5 of this manual.

\*\*\* If STANDBY/STEREO LED flashes six (6) times, unplug the unit and wait 10 seconds before performing the adjustment.

### Display of Standby/Timer LED Flash Count



\* One flash count is not used for self-diagnostic.

### Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

## Self-Diagnostic Screen Display

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

### To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

**DISPLAY** ➡ Channel **5** ➡ Sound volume **[-]** ➡ Power ON.

#### SELF DIAGNOSIS

2: +B OCP	0
3: +B OVP	0
4: VSTOP	0
5: AKB	1
6: LOWB	0
7: H-STOP	0
101: WDT	24

Numeral “0”  
means that no fault was detected.  
Numerical “1”  
means a fault was detected one  
time only.

### Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to “0”.

Unless the result display is cleared to “0”, the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

### Clearing the Result Display

To clear the result display to “0”, press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

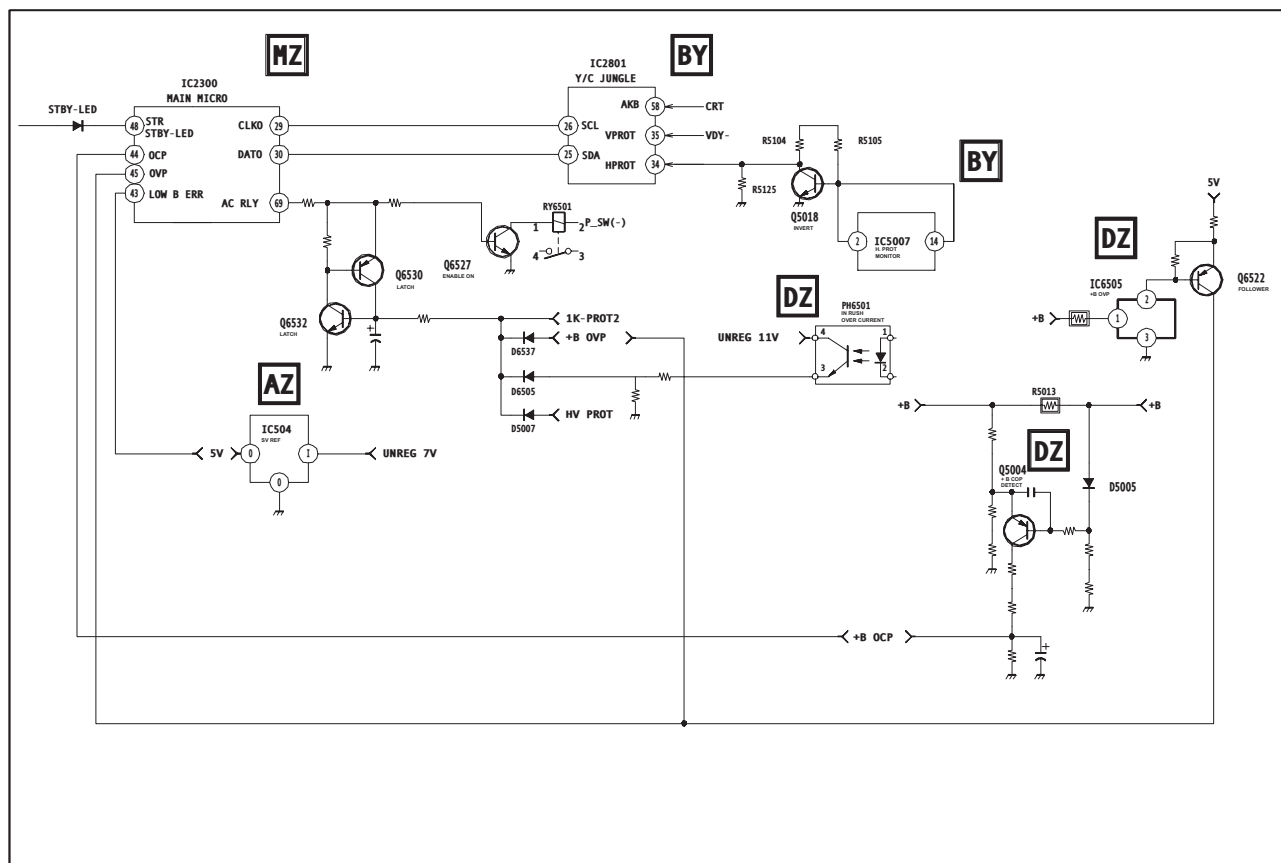
NOTE: This will also reset all user functions (including auto programming and picture settings)

Channel **8** ➡ **ENTER**

### Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

## Self-Diagnostic Circuit



**+B overcurrent (OCP)**

Occurs when excessive current flows through R5013. The increase in voltage across R5013 causes the output of Q5004 to go high, and this high signal goes to the micro.

**+B overvoltage (OVP)**

IC6505 detects +B OVP condition and turns on Q6522. This sends a high signal to the micro and also shuts down the AC relay.

**V-STOP**

Occurs when an absence of the vertical deflection pulse is detected by pin 24 of IC2801 (BY Board). Power supply will shut down when waveform interval exceeds 2 seconds.

**White Balance Failure**

If the RGB levels\* do not balance within 2 seconds after the power is turned on, this error will be detected by IC2801. TV will stay on, but there will be no picture.

\*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

**Low B OCP/OVP**

Occurs when set 5V is out.

**Horizontal Deflection Stopped**

Occurs when either:

- 1) a +B overcurrent is detected (IC5007), or
- 2) overheating is detected (Thermistor TH5002).

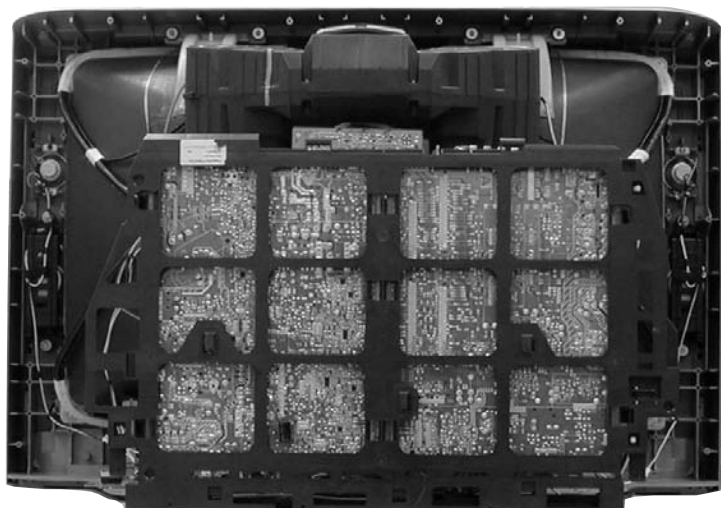
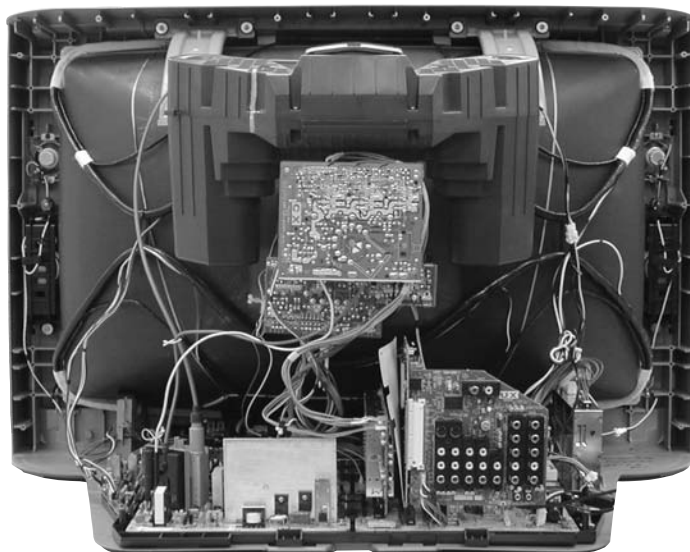
## SECTION 1: DISASSEMBLY

### 1-1.REAR COVER REMOVAL



### 1-2.CHASSIS ASSEMBLY REMOVAL

- ① Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.



### 1-3.SERVICE POSITION

**CAUTION!** - Heat sink on IC5004 is -15V. Do not allow heat sink to touch GND or any other components.  
Heat sink on Q8018 VpK=250V, is -15V. Do not touch or short to GND or any other components.

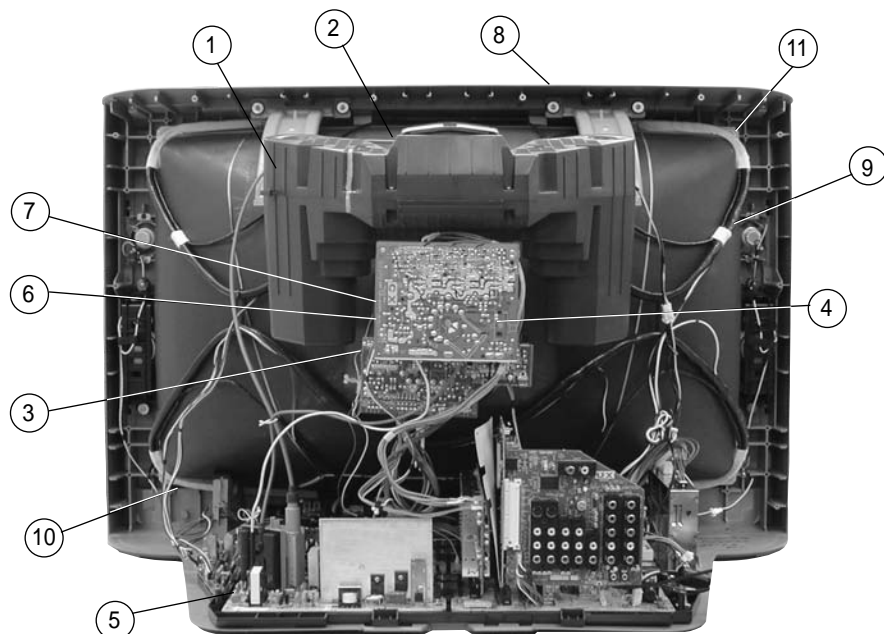
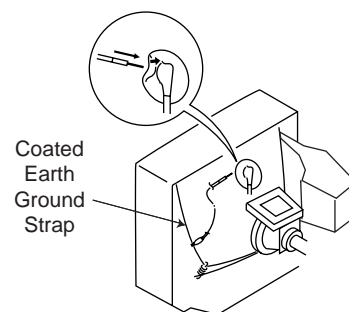
**CAUTION!** - Pay attention to Neck Assembly WY Board wire harness to BY Board. The WY Board can easily break if there is sudden or excessive tension on the harness.

- ① Lift lever up on the right and left sides of the chassis bracket and gently pull the chassis assembly away from the bezel.
- ② Pull up and rotate both the AZ and DZ Boards in order to service the unit.

## 1-4. PICTURE TUBE REMOVAL

### WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



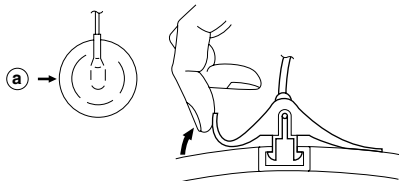
1. Remove the Sub-Woofer Assemblies.
2. Discharge the anode of the CRT and remove the anode cap.
3. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
4. Remove the CX Board from the CRT.
5. Remove the chassis assembly.
6. Loosen the neck assembly fixing screw and remove.
7. Loosen the deflection yoke fixing screw and remove.
8. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
9. Remove the degaussing coils.
10. Remove the CRT grounding strap and spring tension devices.
11. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

## ANODE CAP REMOVAL PROCEDURE

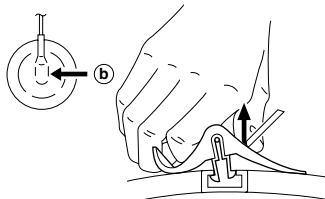
**WARNING:** High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. After removing the anode cap, short circuit to either the metal chassis, CRT shield, or carbon painted on the CRT.

**NOTE:** After removing the anode cap, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield or carbon painted on the CRT.

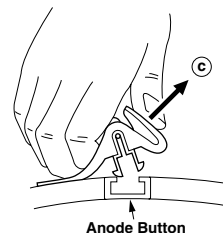
### REMOVAL PROCEDURES



Turn up one side of the rubber cap in the direction indicated by arrow a .



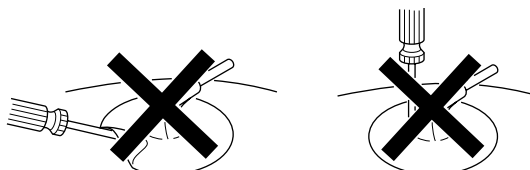
Use your thumb to pull the rubber cap firmly in the direction indicated by arrow b .



When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow c .

### HOW TO HANDLE AN ANODE CAP

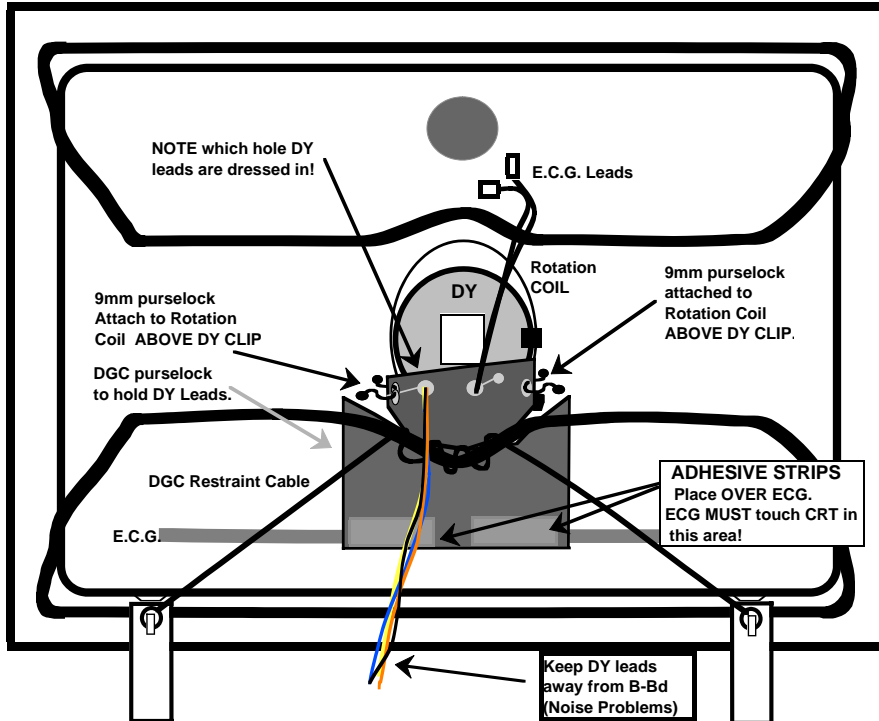
1. Do not use sharp objects which may cause damage to the surface of the anode cap.
2. To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
3. Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.





## CABLE WIRE DRESSING

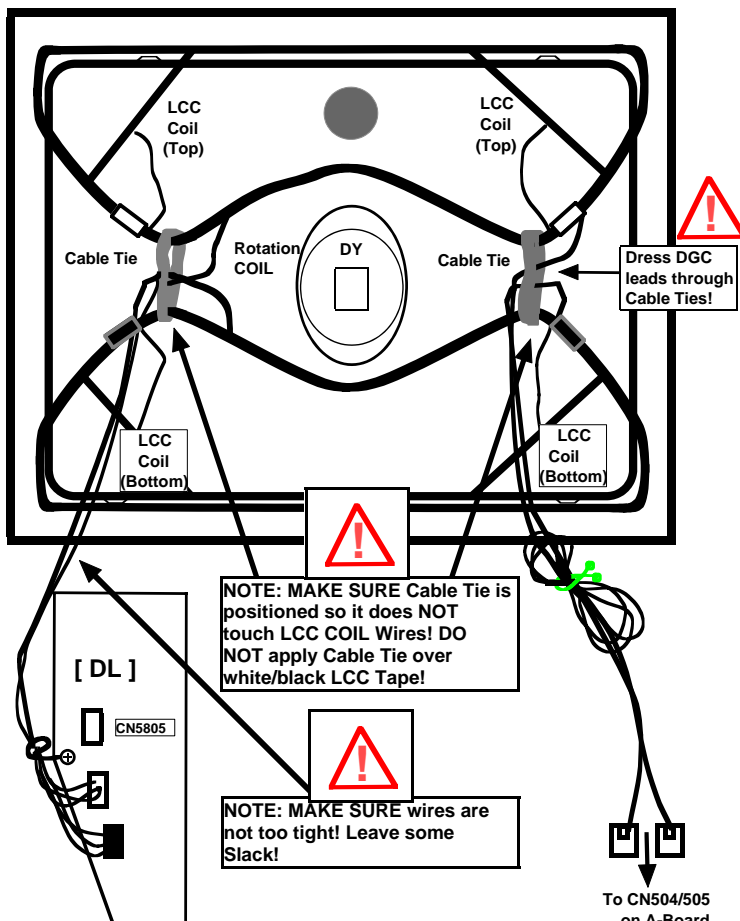
### DY-SHIELD (ALL MODELS)



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6/21/04

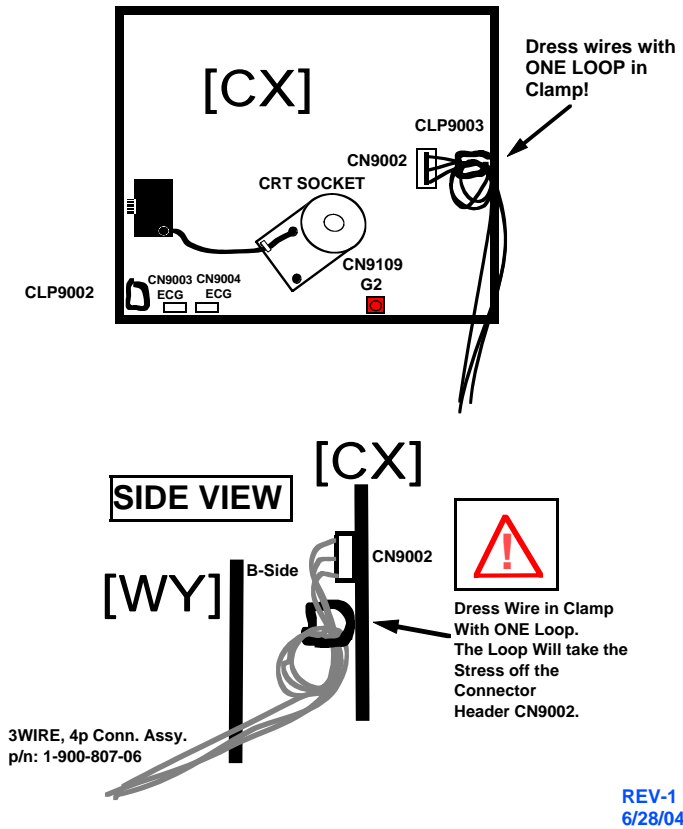
**NOTE: IF THE WIRE DRESSING IS NOT DONE PROPERLY, IT MAY CAUSE DISTORTION**

### DCG/LCC CAUTION POINTS (ALL MODELS)

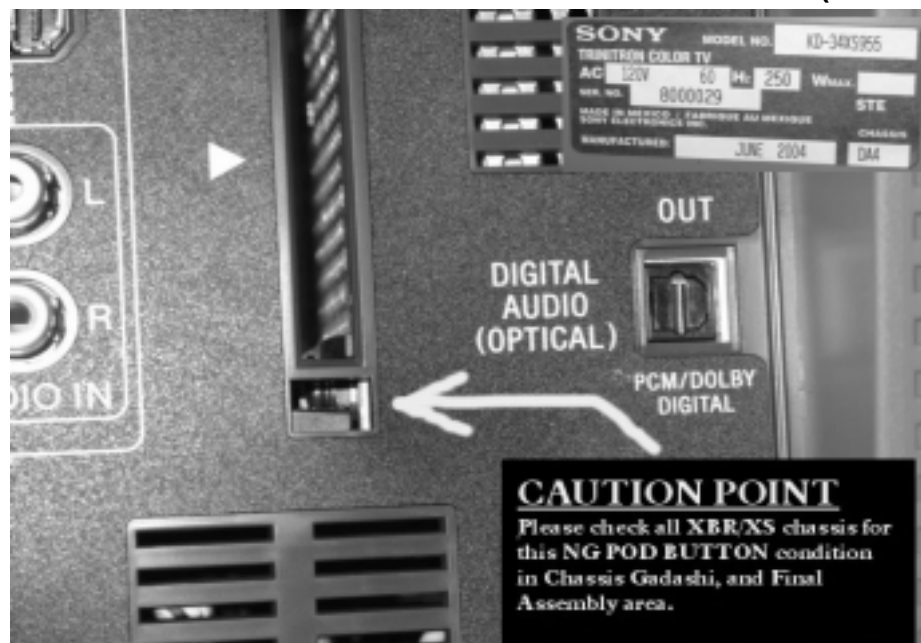


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6/28/04

200V LEAD WIRE DRESSING CAUTION POINT (ALL MODELS)

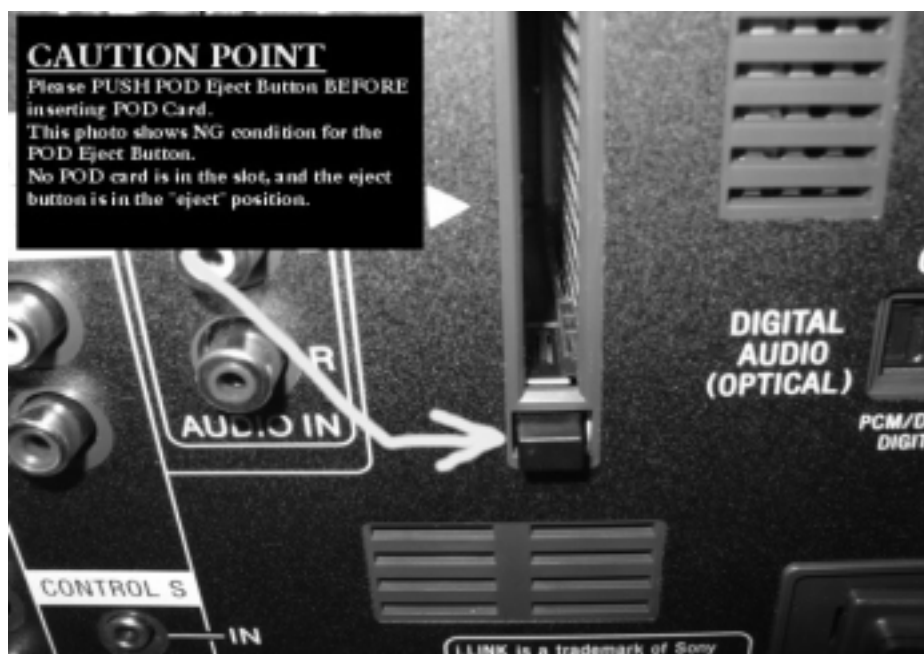


## POD EJECT BUTTON CAUTIONS - ALIGNMENT CHECK (ALL MODELS)



This was a defect from Pre-Pro set. Important to check alignment of POD Eject Button.  
VERY important if QBOX is replaced in the field.

## POD EJECT BUTTON CAUTIONS - NG BUTTON POSITION (ALL MODELS)



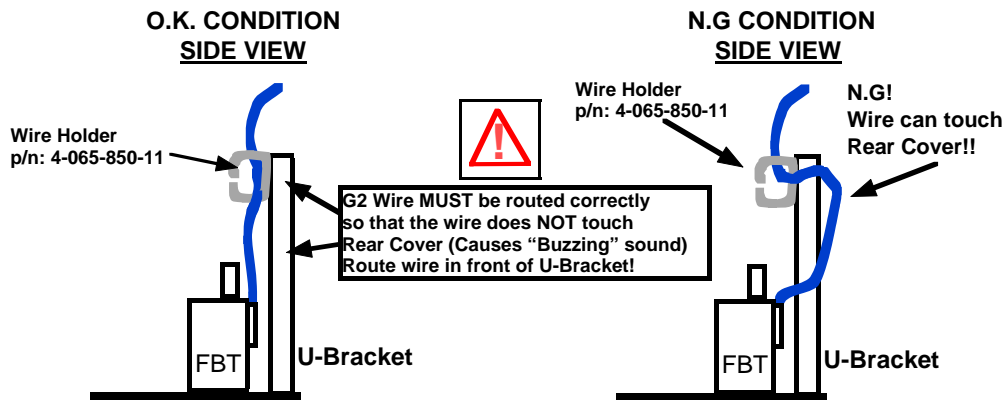
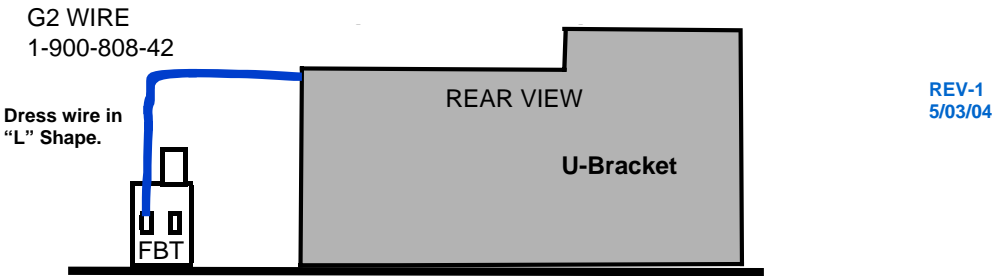
## POD EJECT BUTTON CAUTIONS - STEP 1 BEFORE INSERT CARD (ALL MODELS)



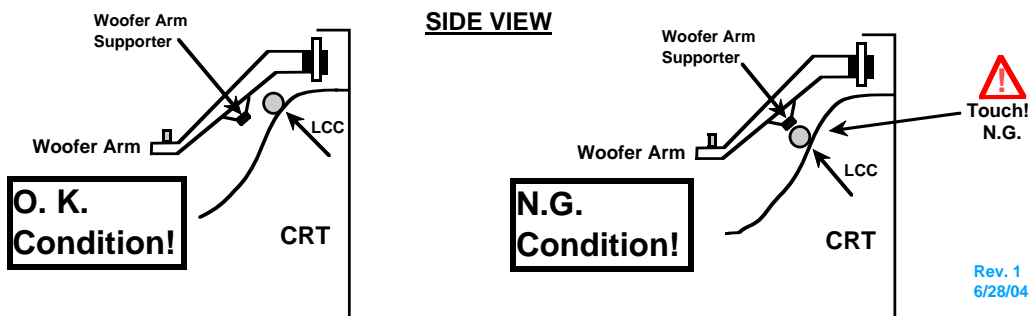
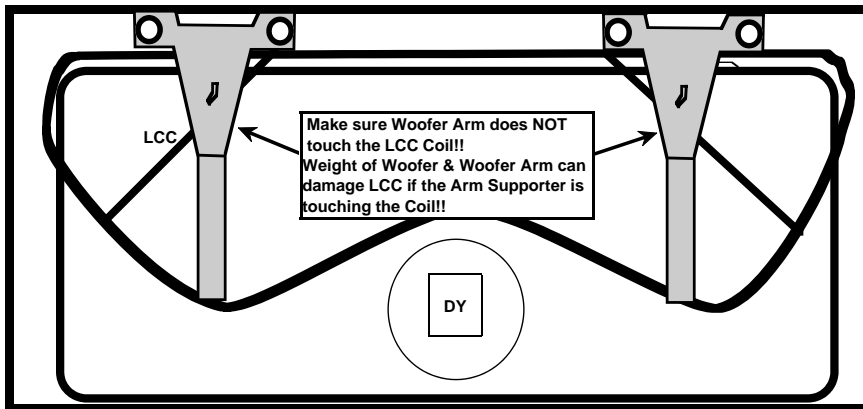
## POD EJECT BUTTON CAUTIONS - STEP 2 INSERT CARD (ALL MODELS)



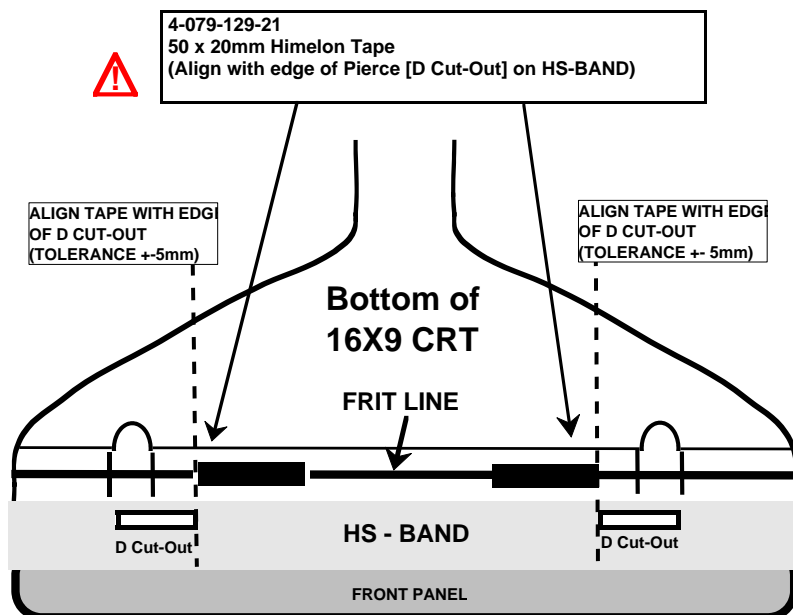
G2 WIRE ROUTING (ALL MODELS)



## WOOFER ARM WIRE DRESSING CAUTION (KD-34XBR960 ONLY)

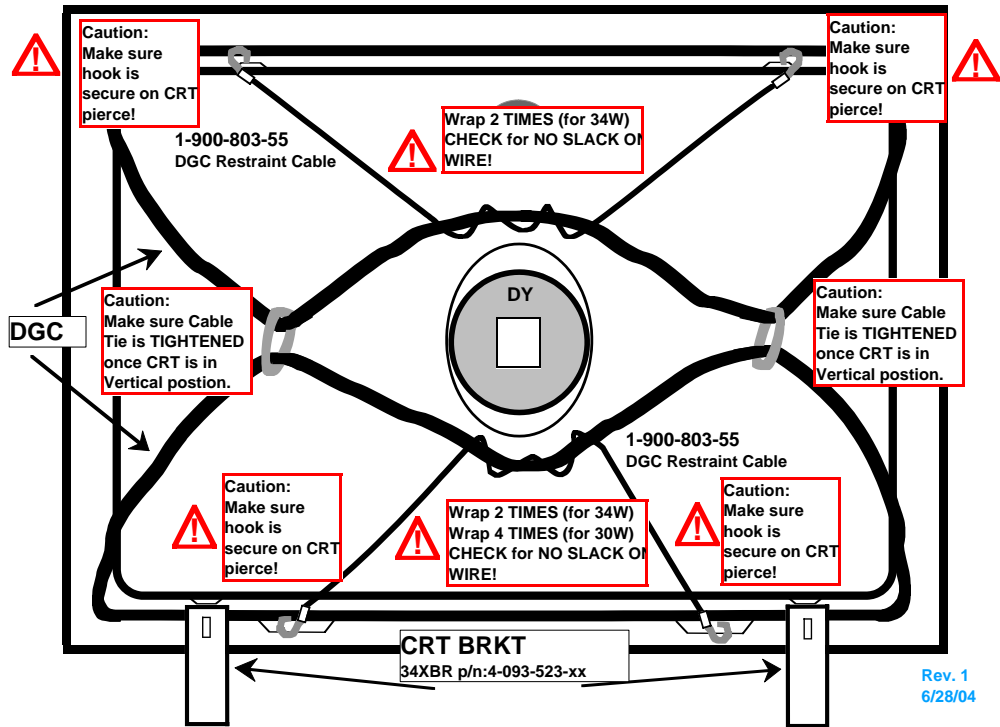


## CRT PREP CAUTION POINT (KD-34XBR960 ONLY)

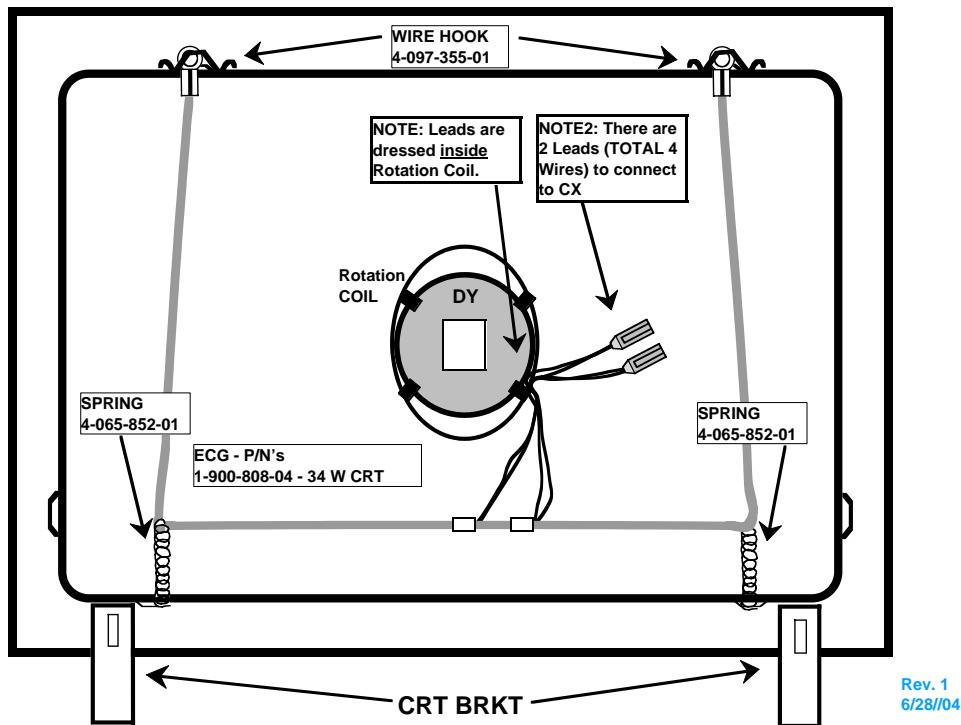


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6/28/04

DGC ASSEMBLY CAUTION POINT (KD-34XBR960 ONLY)

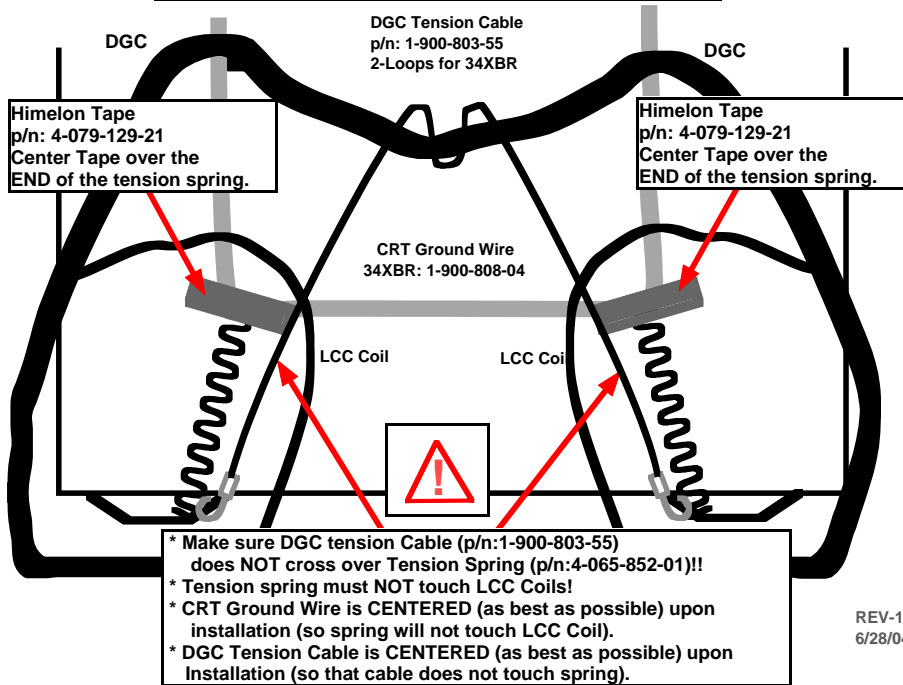


EGC WIRE DRESSING (KD-34XBR960 ONLY)

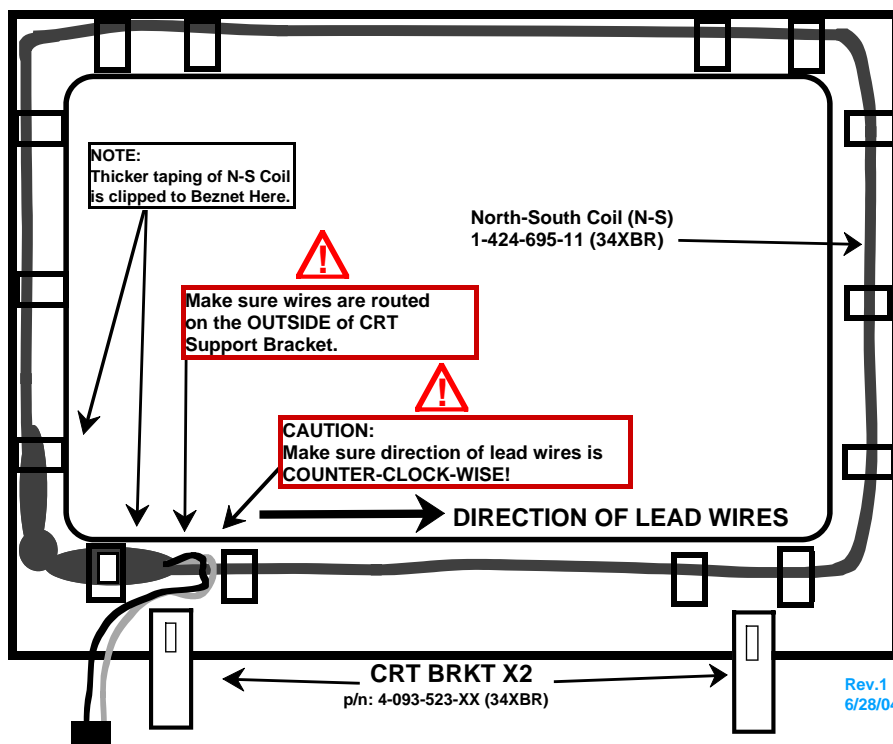


# CRT GROUND WIRE CAUTION POINT (KD-34XBR960 ONLY)

## OK INSTALLATION w/ Countermeasure

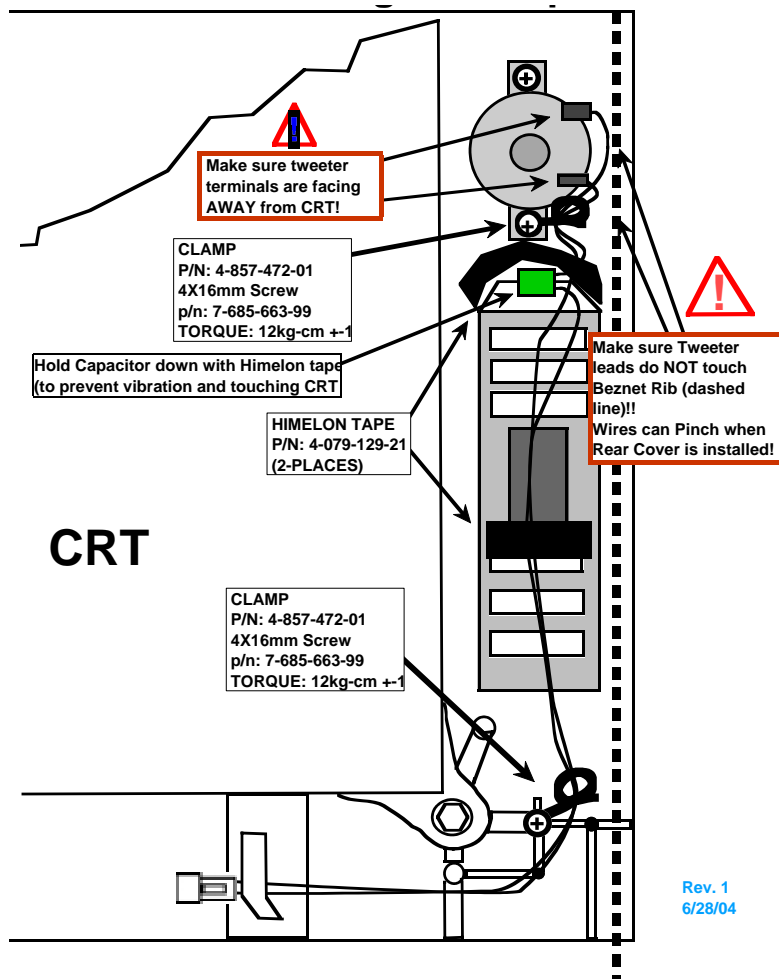


# N-S COIL WIRE DRESSING CAUTION POINT (KD-34XBR960 ONLY)

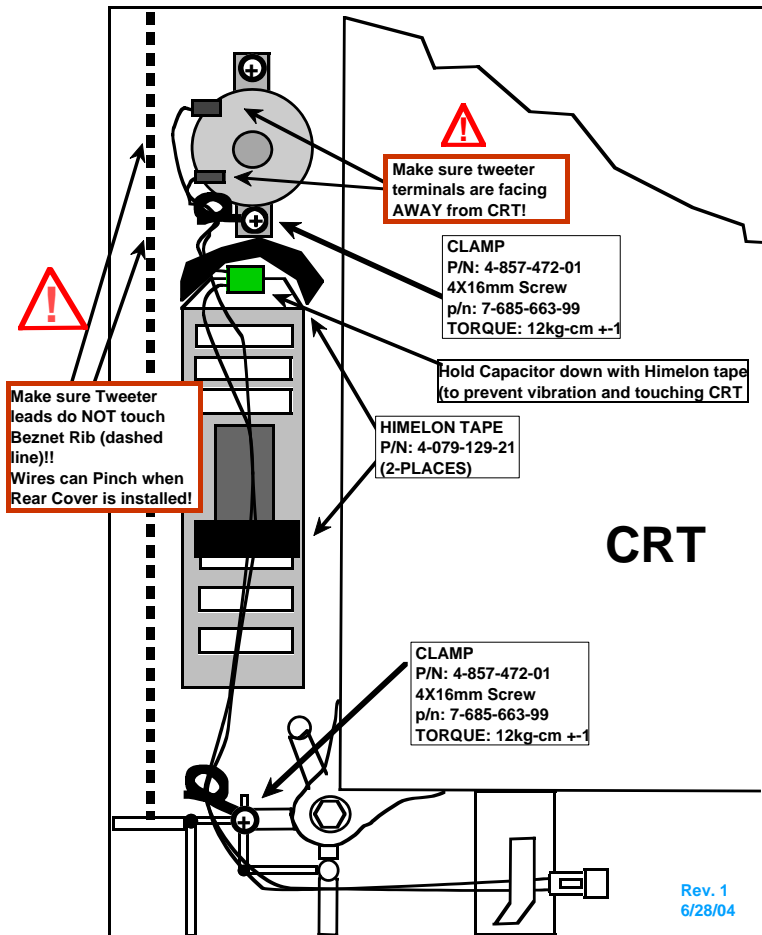




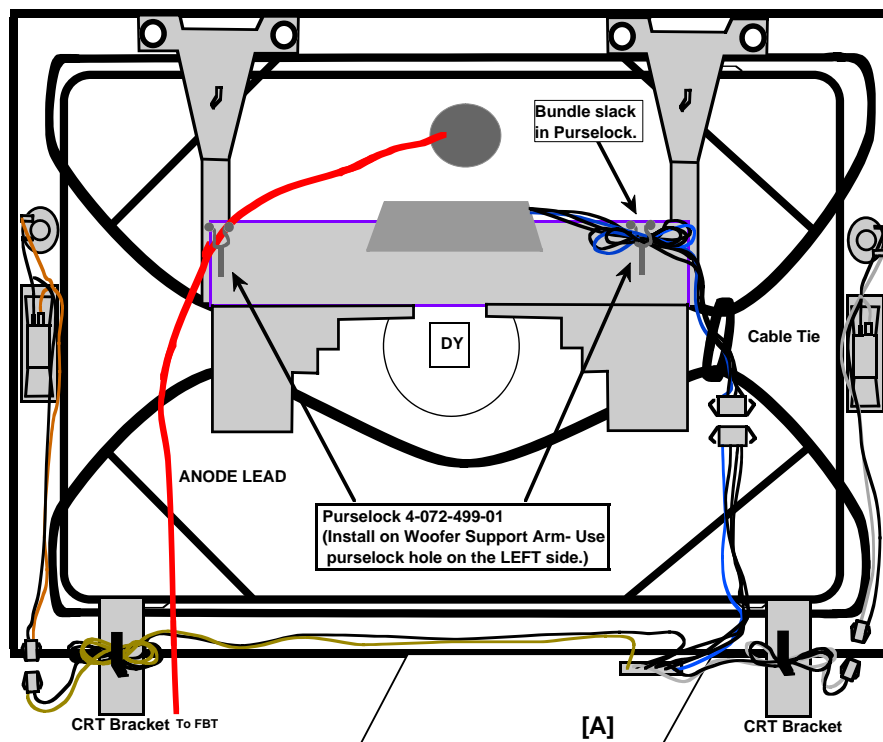
# SPEAKER ASSY. WIRE DRESSING - LEFT SPEAKERS (KD-34XBR960 ONLY)



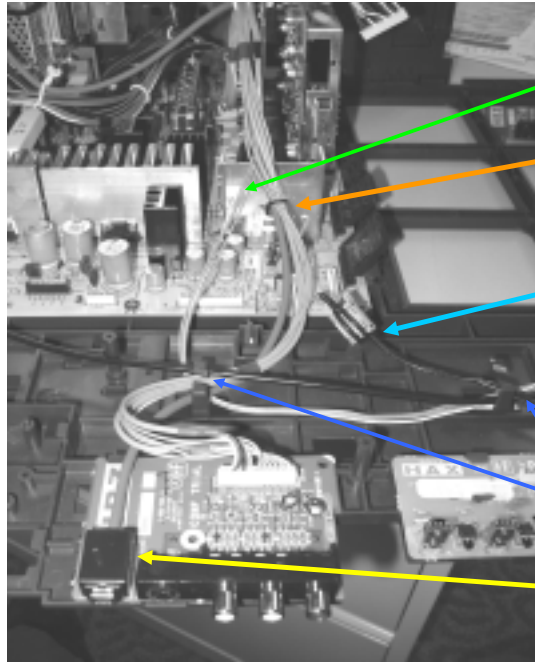
## SPEAKER ASSY. WIRE DRESSING - RIGHT SPEAKERS (KD-34XBR960 ONLY)



## WOOFER ASSY. WIRE DRESSING (KD-34XBR960 ONLY)



## CHASSIS DRESSING - HBZ BOARD AND USB (KD-34XBR960 ONLY)



1-900-808-02: 4P Conn Assy. w/RED housings  
Dressed OUTSIDE 9mm black purselock

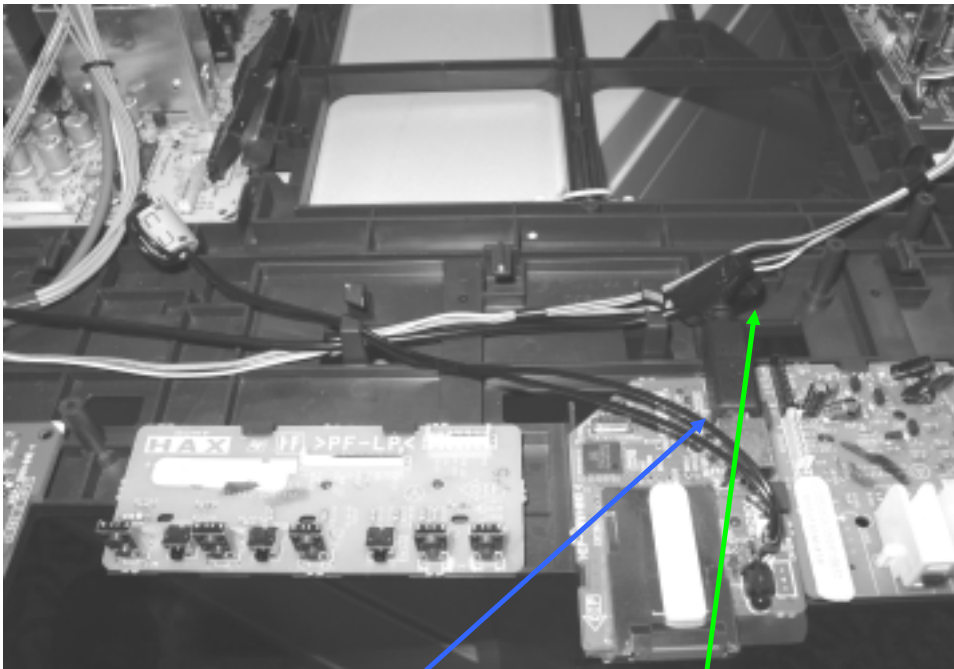
iLINK Cable (1-823-515-31) & 1-900-806-83: 11P Conn. Assy.  
w/RED Taping. Dressed INSIDE 9mm black purselock.

1-900-805-24 Double Ground Wire w/ferrite core  
(p/n: 1-500-082-11)  
NOTE: Tab on AZ-Bd (CN 519) is bent over in 45degree angle.

USB Cable (p/n:1-829-191-11) black cable routed in H-Bracket  
clips.

iLINK Cable (1-823-515-31) w/ I Holder plastic clip on HBZ-Bd  
(p/n: 4-082-405-01)

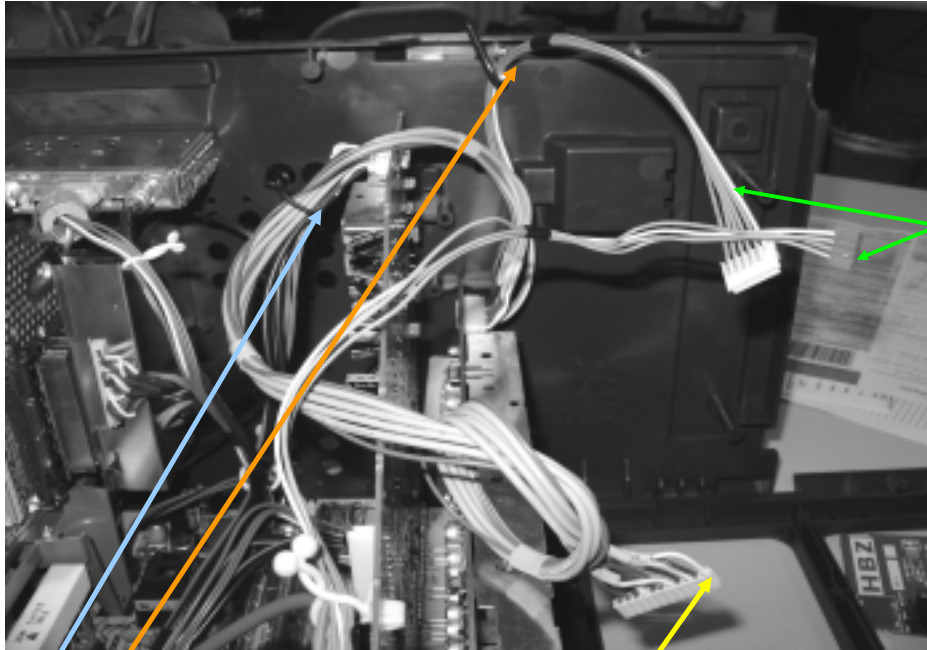
## CHASSIS DRESSING - QH BOARD (KD-34XBR960 ONLY)



1-900-805-24 dressed in H-bracket clips.  
NOTE: Mounted tab on QH board is bent 45degrees.  
Also note ferrite core position (important for EMI).

USB CABLE dressed in H-Bracket clips.  
NOTE Over-Molded Ferrite Position (important for EMI).

## CHASSIS DRESSING - WY AND CX CONNECTORS (KD-34XBR960 ONLY)



11P Conn. Assy. w/ Yellow Taping (p/n: 1-900-806-86) routed to CX-Bd.  
NOTE: This Conn. Assy. Is routed INSIDE the 9mm black purselock.

This end of 1-900-806-86 connects to CX-Bd  
NOTE: KNOT is only for picture. DO NOT knot wires during actual dressing.

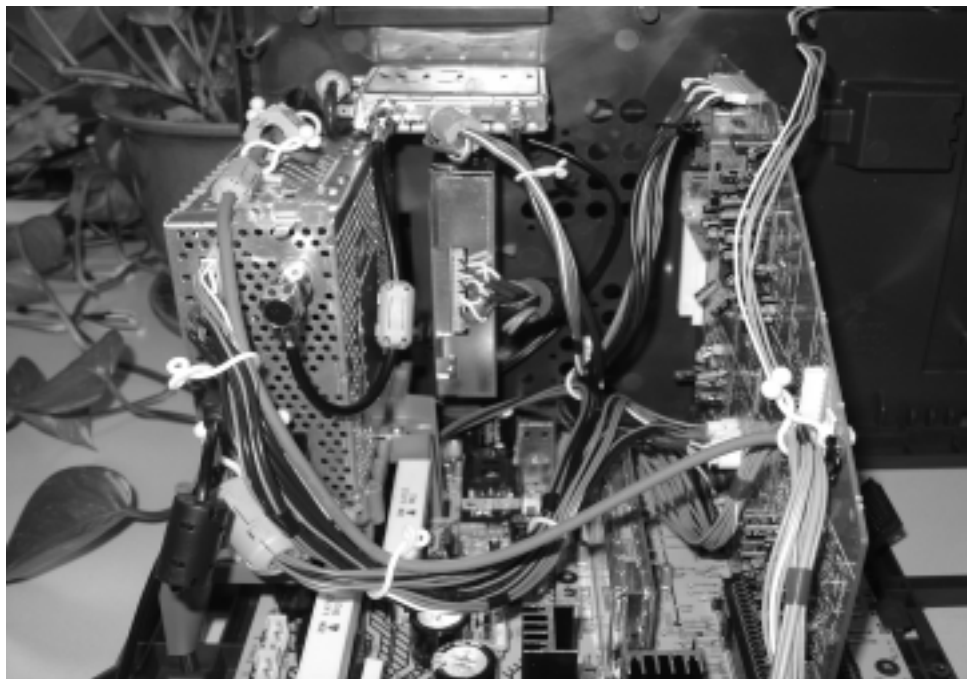
BOTH Connectors  
Assys.  
Connect to WY-BD

p/n: 1-900-808-02  
w/ RED housing  
(WY-Bd to DL-BD)

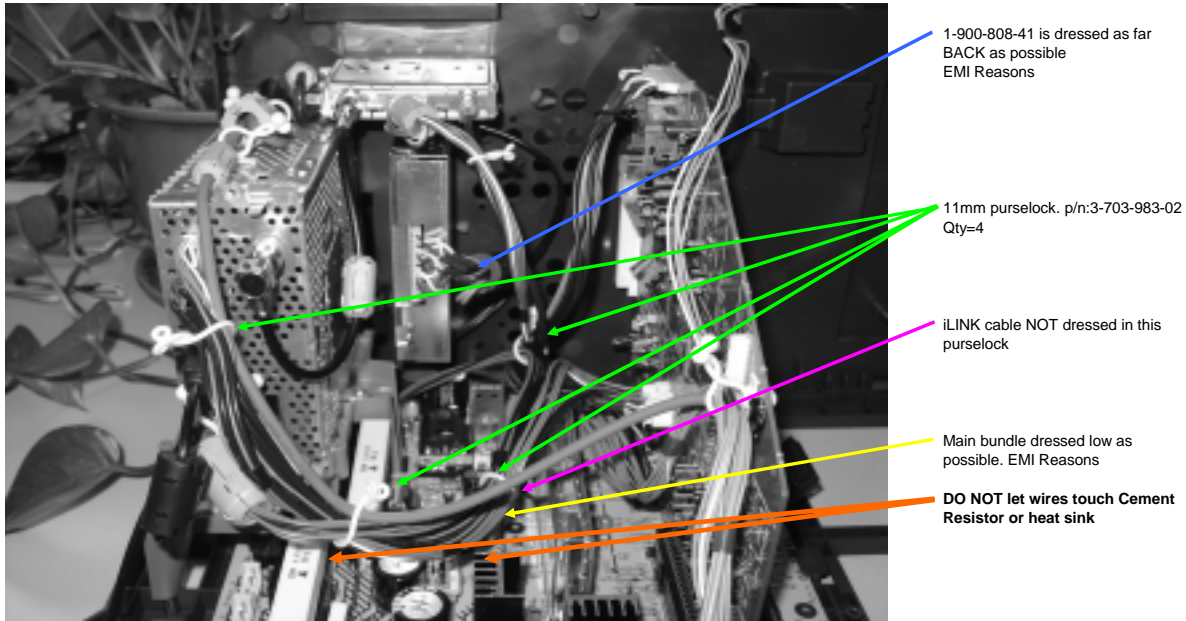
p/n: 1-900-808-32  
6P Conn. Assy.  
(BY-Bd to WY-BD)

NOTE: 1-900-808-32, 6P Conn. Assy. Is routed INSIDE clamp (p/n: 4-857-472-01)

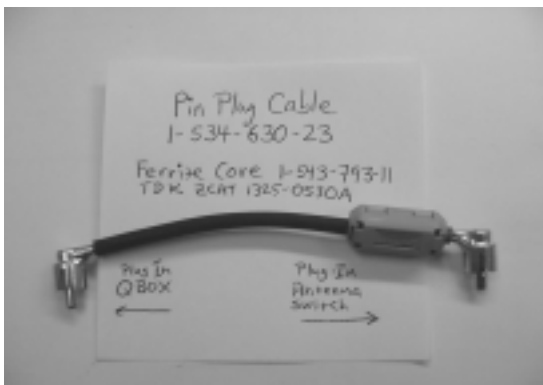
## WIRE DRESSING - QBOX DRESSING (KD-34XBR960 ONLY)



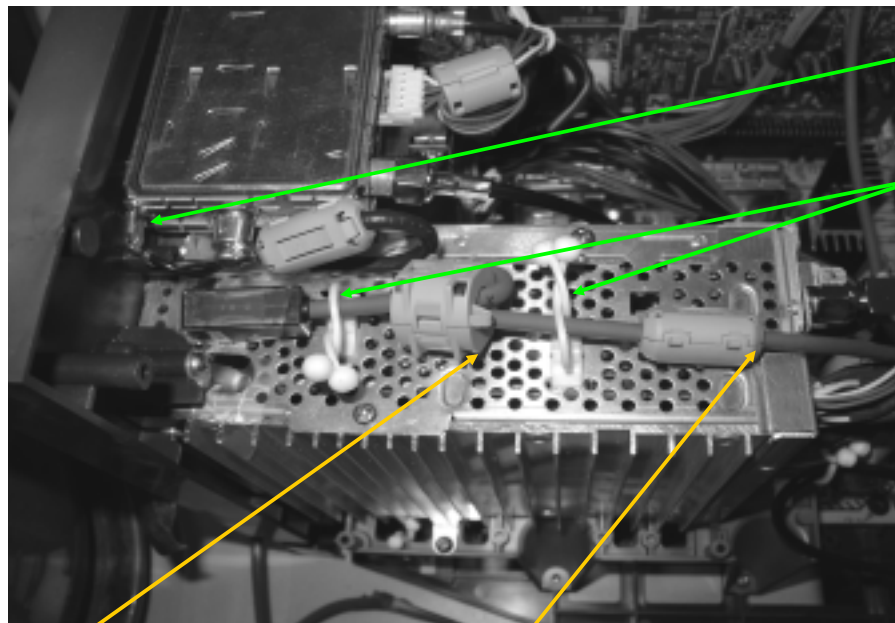
## WIRE DRESSING - QBOX DRESSING WITH CAUTIONS (KD-34XBR960 ONLY)



## WIRE DRESSING - FERRITE ADDITIONS (KD-34XBR960 ONLY)



LOCATIONS OF FERRITE CORES  
EFFECT EMI PERFORMANCE.  
Please use caution when positioning ferrite cores!

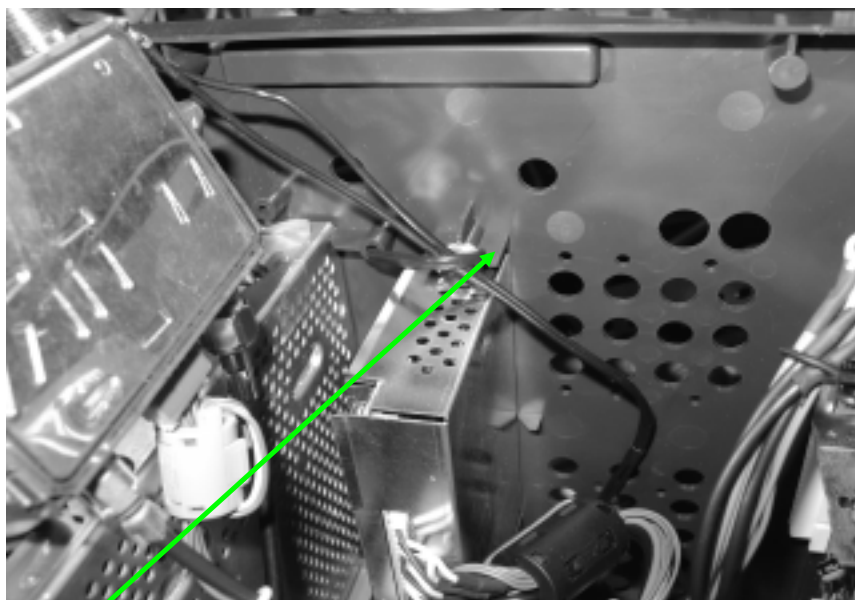
**WIRE DRESSING - TOP OF QBOX (KD-34XBR960 ONLY)**

1-900-805-24 ground  
wire attached here  
on Antenna Switch

Note direction of  
purselocks and  
position of ferrite cores

Ferrite Core: NOTE LOCATION- IMPORTANT for EMI  
p/n: 1-500-484-21  
TDK ZCAT-2017-0930-M

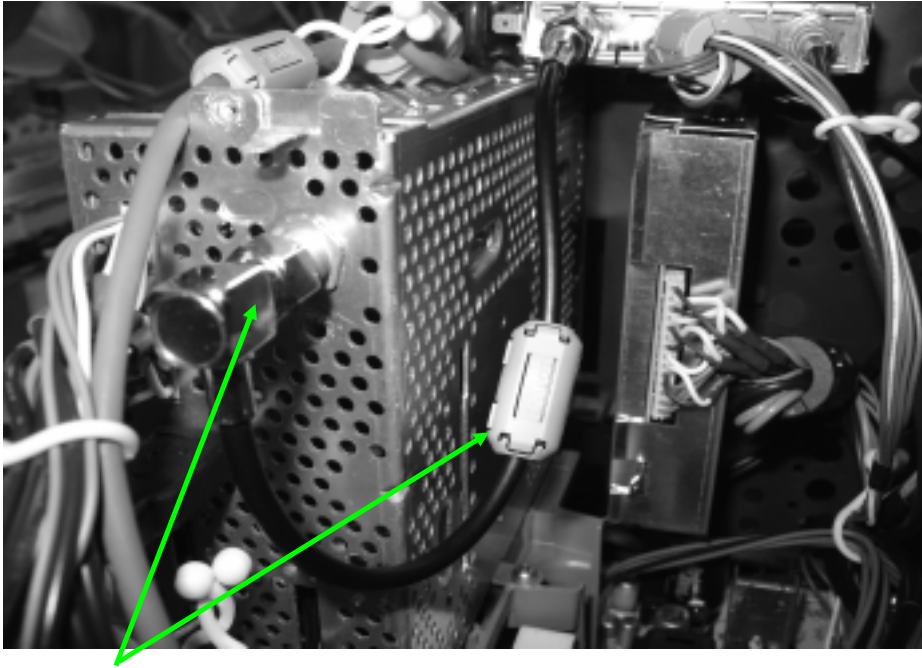
Ferrite Core: NOTE LOCATION- IMPORTANT for EMI  
p/n: 1-543-793-11  
TDK ZCAT-1325-0530A

**WIRE DRESSING - ANT SW GROUND WIRE (KD-34XBR960 ONLY)**

1-900-805-24 ground wire is dressed in wire clamp. p/n: 4-857-472-01  
Wire is dressed BEFORE securing position of Antenna Switch.

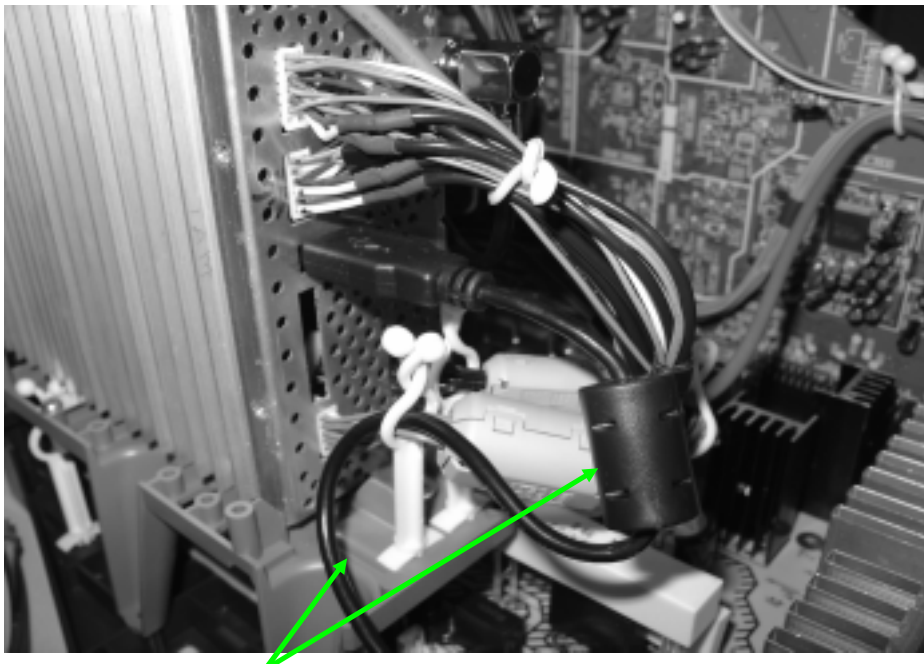


## WIRE DRESSING - F-PIN DRESSING (KD-34XBR960 ONLY)



Note position (rotation of right-angle connector) of the cable/ferrite.  
Do NOT dress the ferrite core so it can touch the Heat sink on the POD connector (not installed in this photo)

## WIRE DRESSING -FRONT OF Q BOX (KD-34XBR960 ONLY)



NOTE " Z " Routing of USB Cable routing (important for EMI).  
Position of Ferrite Core is Important for EMI.

## WIRE DRESSING - 11MM P BOARD CONNECTION (KD-34XBR960 ONLY)





DCG LEAD WIRE DRESSING (ALL EXCEPT KD-34XBR960)

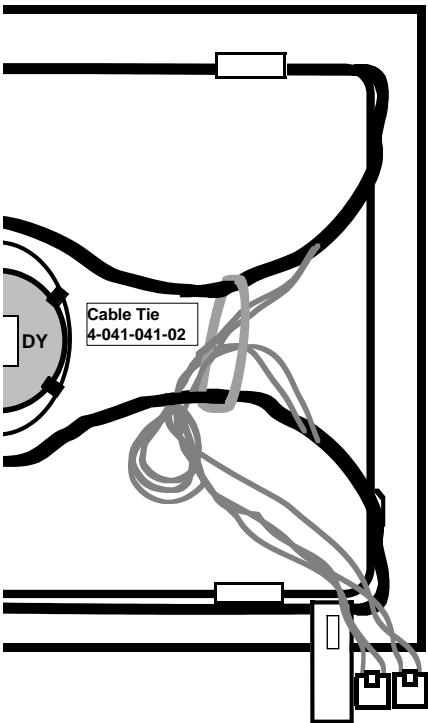
STEP 1:  
Make a loop in leads  
and route loop BEHIND  
The DGC Coil.



STEP 2:  
Thread both connector  
housings through the  
loop in lead wires.

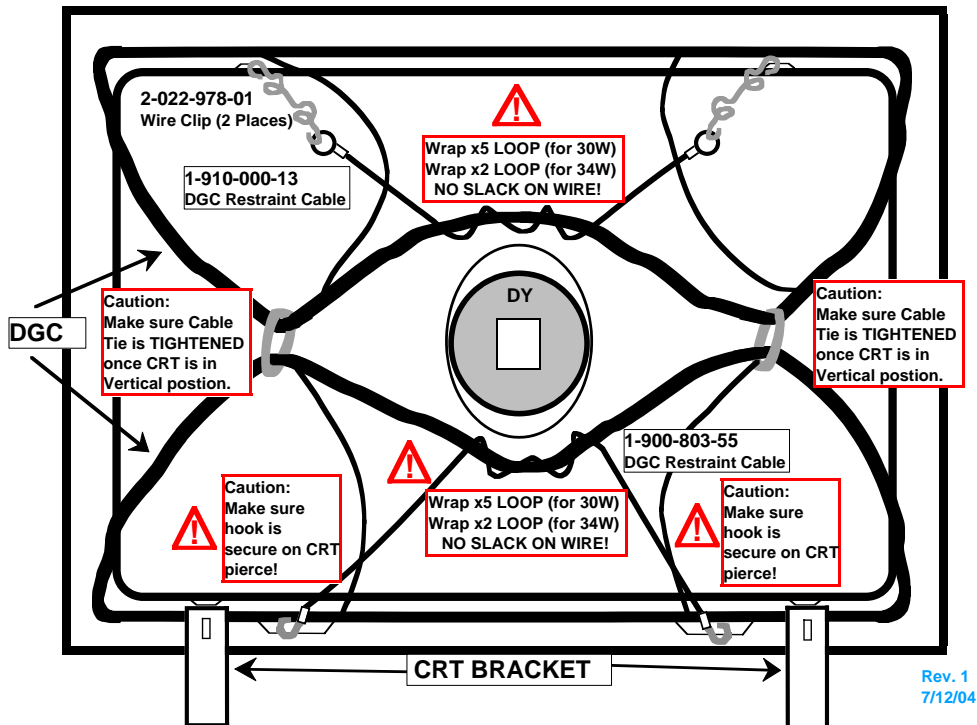


STEP 3:  
Plug in connector  
housings into the  
[AZ] Board using the  
loop to take up slack.

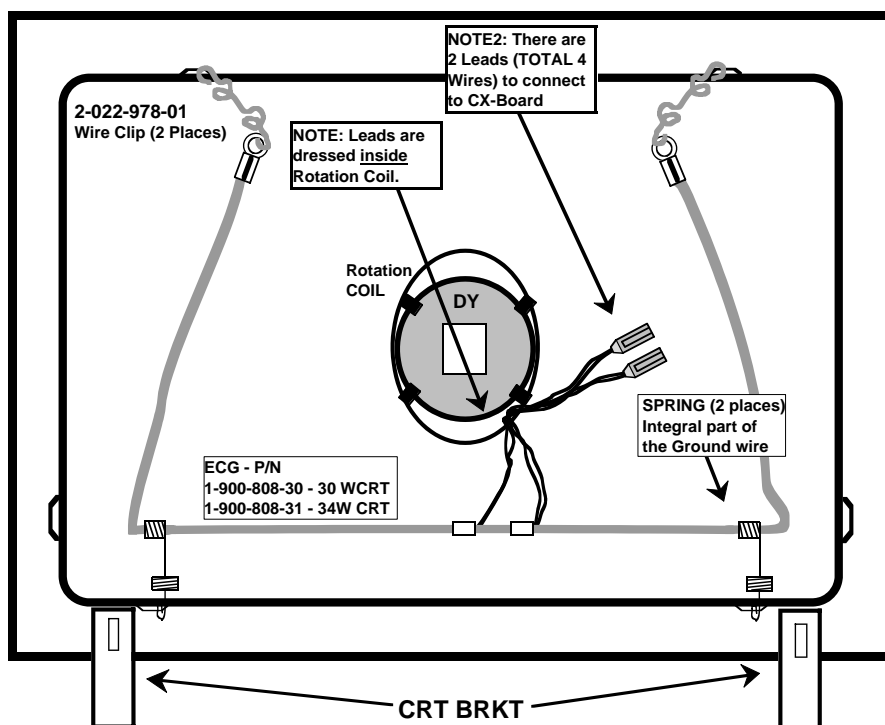


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5/10/04

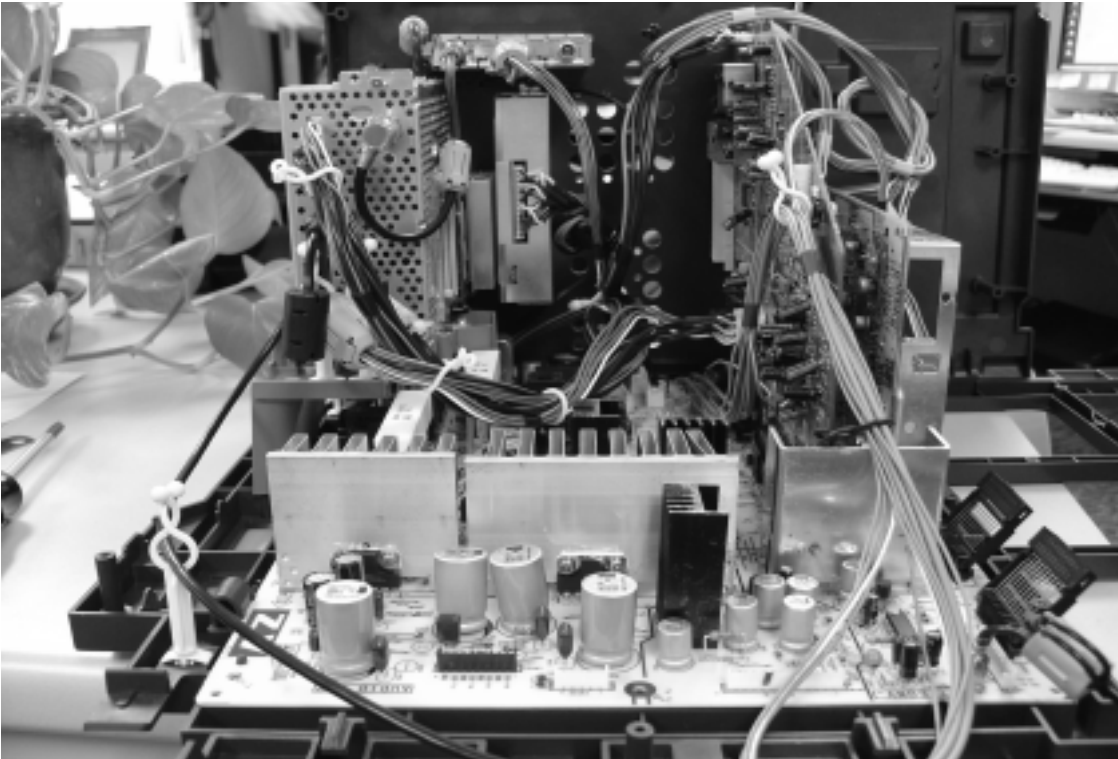
## DGC ASSEMBLY CAUTION POINT (KD-30XS955/34SX955 ONLY)



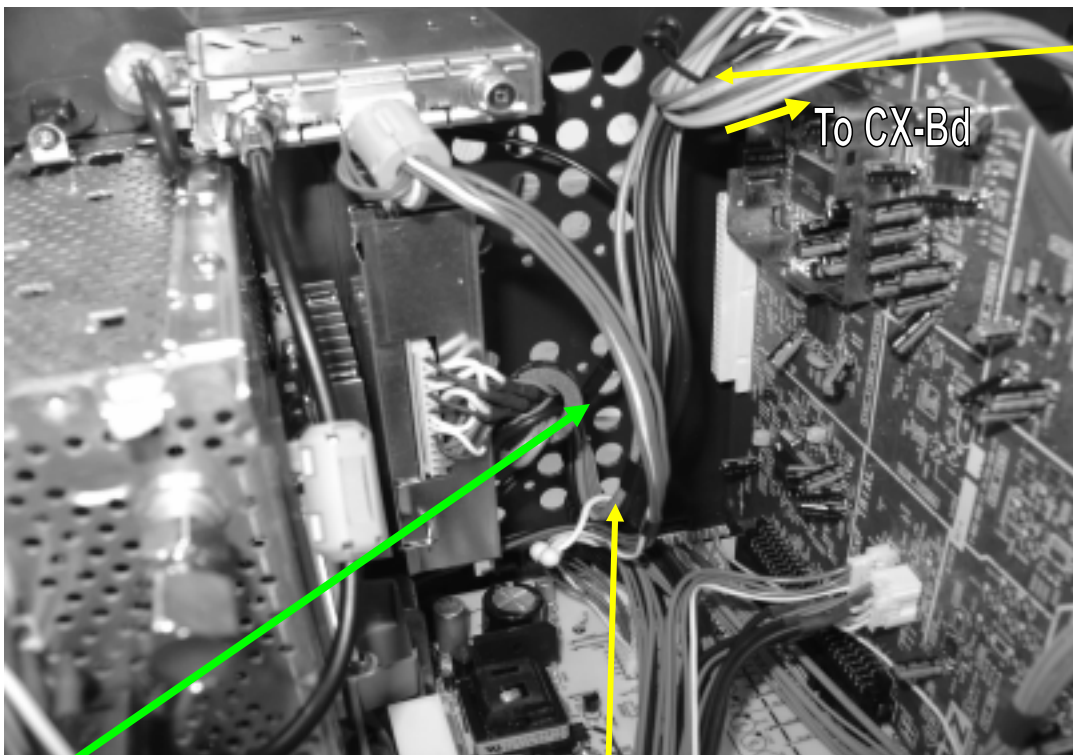
## EGC WIRE DRESSING (KD-30XS955/34SX955 ONLY)



## QBOX WIRE DRESSING (ALL EXCEPT KV-34XBR960)



## CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



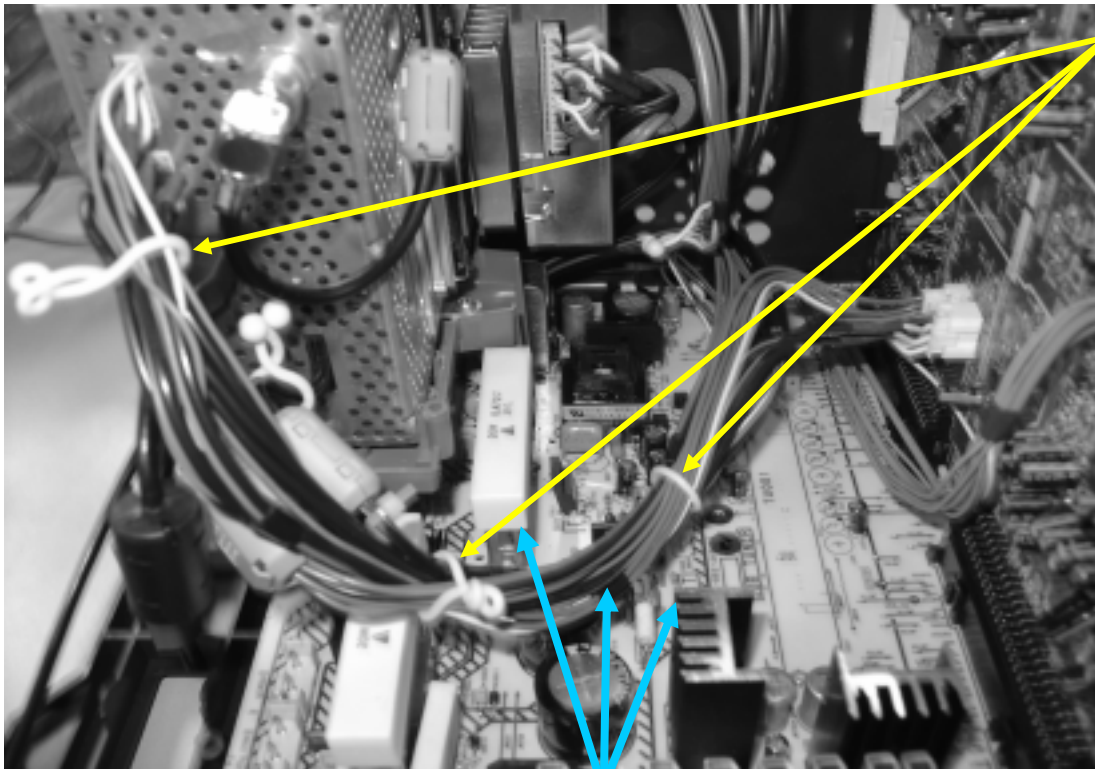
11P Conn. Assy.  
(p/n: 1-900-806-86)  
is dressed with 14P  
Conn. Assy.  
(p/n: 1-900-808-41)  
with 9mm purselock  
(p/n: 3-703-982-02)  
NOTE direction of  
wires in purselock.

### CRITICAL POINT:

14P Conn. Assy. (P-shield to MZ-Bd, p/n: 1-900-808-41)  
MUST be dressed as far back in the chassis as possible.  
NOTE position of the ferrite core (adjacent to P-shield).

Note Direction of wires dressed in  
11mm purselock (p/n: 3-703-983-02)

## CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



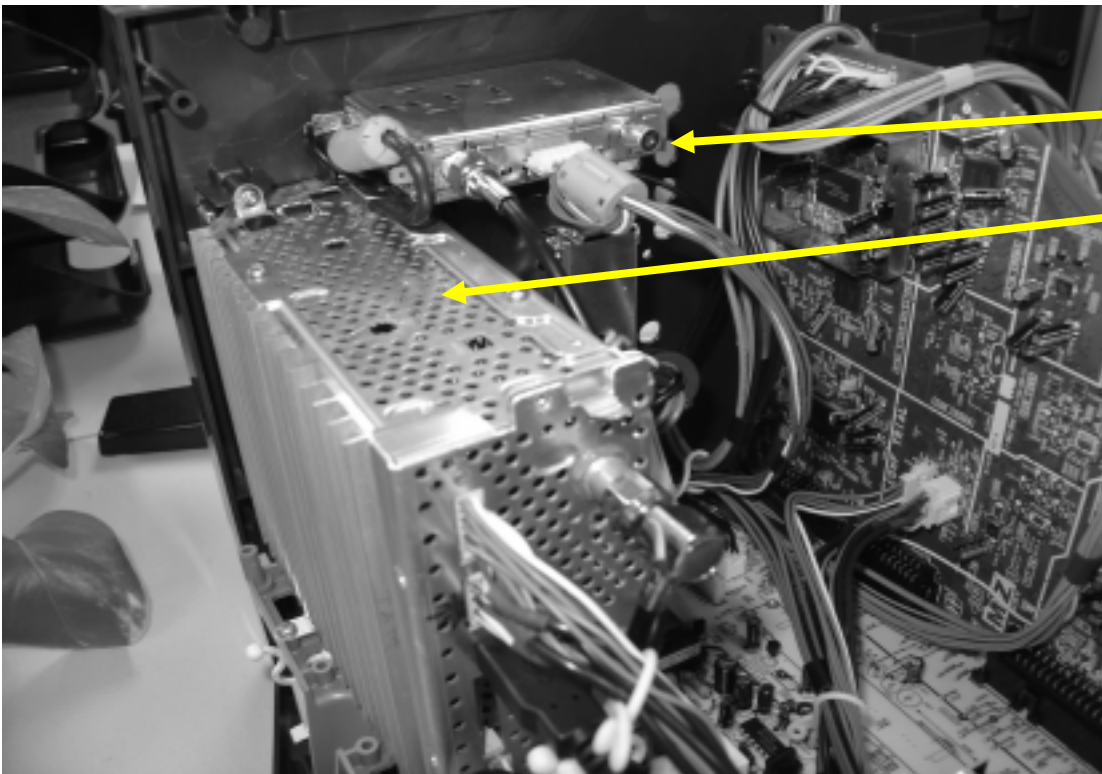
x3 11mm purselock

(NOTE positions of  
purselocks on main  
cable bundle.)

### CRITICAL POINT:

Main cable bundle MUST be dressed as LOW  
as possible between cement resistor and heat sink.  
Wires cannot touch heat sink (sharp edges) or the  
cement resistor (very hot).

## CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)

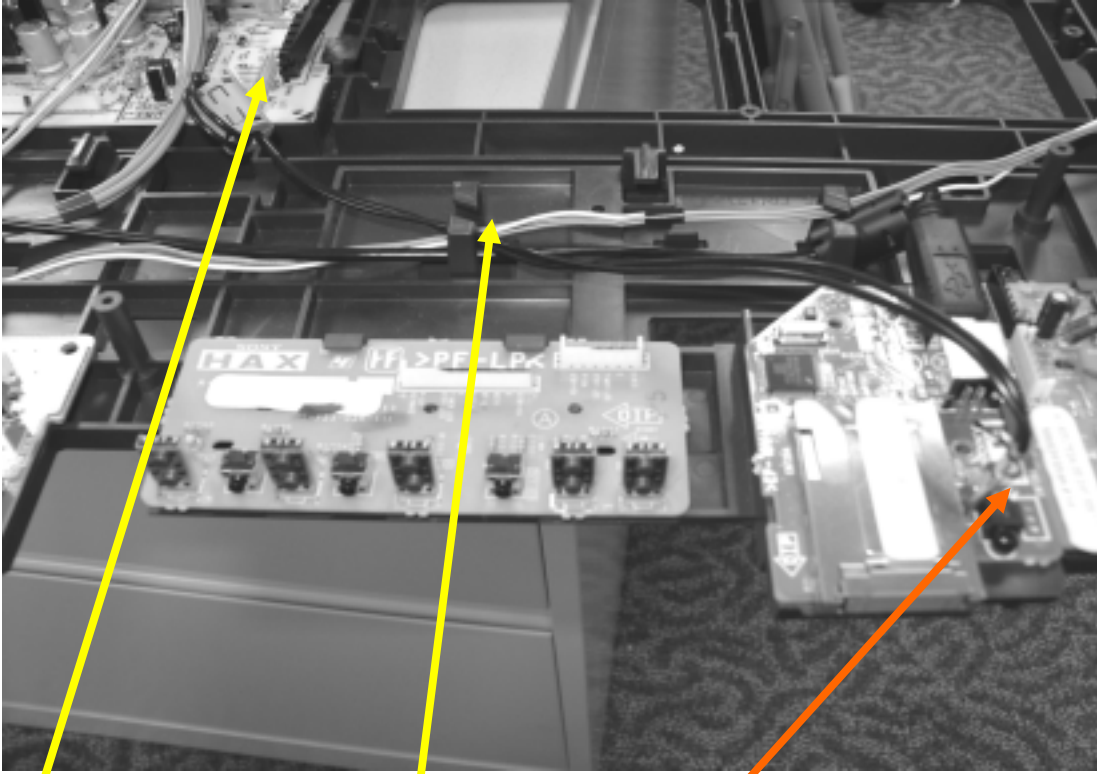


XS Models do NOT  
have Sub-Tuner  
Pin-Plug Cable

XS Models do NOT  
have iLINK (IEEE)  
Cable.



## CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



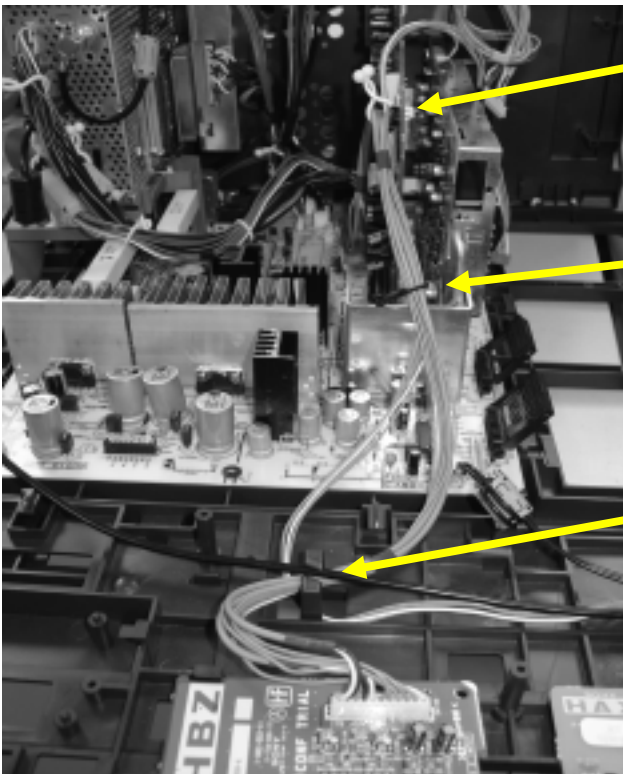
TAB on AZ-Bd is slightly bent at 45° angle (towards front of set)

Double ground wire is dressed in H-Bracket clip.

TAB on QH-Bd is bent 45° away from memory stick connector.

**Reason:** If TAB is not bent over, wires may get snagged on DGC and break tab off PWB when inserting chassis into set.

## CHASSIS WIRE DRESSING DETAIL (ALL EXCEPT KV-34XBR960)



UZ-Bd to HBZ-Bd Conn. Assy. (with Red taping, p/n: 1-900-806-83)  
Dressed in purselock on MZ-Bd (p/n: 4-355-912-xx)  
4P WY-Bd to DL-Bd Conn. Assy. (with Red Housing, p/n 1-900-808-02)

Both 1-900-806-83 and 1-900-808-02 dressed in 9mm purselock (p/n: 3-703-982-02)

Both 1-900-806-83 and 1-900-808-02 dressed in H-Bracket Clip  
NOTE: Directions of cables INSIDE clip.  
(Black cable dressed in H-Bracket clip is USB cable (QBOX to QH-Bd, p/n: 1-829-191-11))

## SECTION 2: SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

VIDEO MODE: STANDARD (RESET)

**Perform the adjustments in order as follows:**

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)
5. White Balance

**Test Equipment Required:**

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital Multimeter

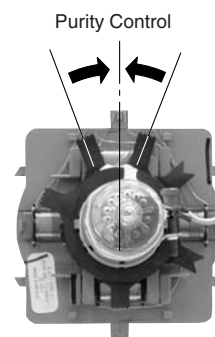
### 2-1. BEAM LANDING

#### Preparation:

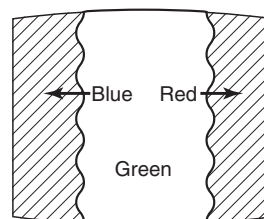
- Use cross hatch signal to rough adjust focus, G2 and then input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.
- Remove all magnets, wedges, and permalloy strips.
- Confirm data in service mode to match with CRT screen size.
  - Set 2170D-1 to their default settings.
    - VCEN 19
    - VPIN 15
    - HTPZ 15
  - Set 2170D-2 to their default settings.
    - PPHA 21
    - VANG 31
    - LANG 31
    - VBOW 31
    - LBOW 31
  - Set 2170D-4 to their default settings.
  - CXA8070 to their default settings.
- Set all user compensations to their default settings.
- Set landings to their default settings.
  - LT Left Top LCC Control 127
  - LB Left Bottom LCC Control 127
  - RT Right Top LCC Control 127
  - RB Right Bottom LCC Control 127

**NOTE: Do not use the hand degausser; it magnetizes the CRT .**

1. Input white pattern from pattern generator. Set the PICTURE control to maximum, and the BRIGHTNESS control to standard.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



3. Input a green pattern from the pattern generator.
4. Move the deflection yoke backwards, (See Figure 1) and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.

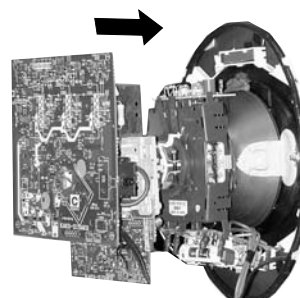
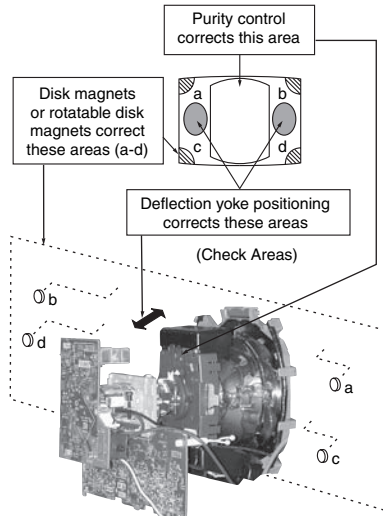


Figure 1

6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. Move the yoke up and down and/or side to side to find the best geometry. Once the best position is confirmed mount the rubber wedges to hold the yoke position in place for best geometry.
9. If landing at the corner is not right, adjust it by using the disk magnets.



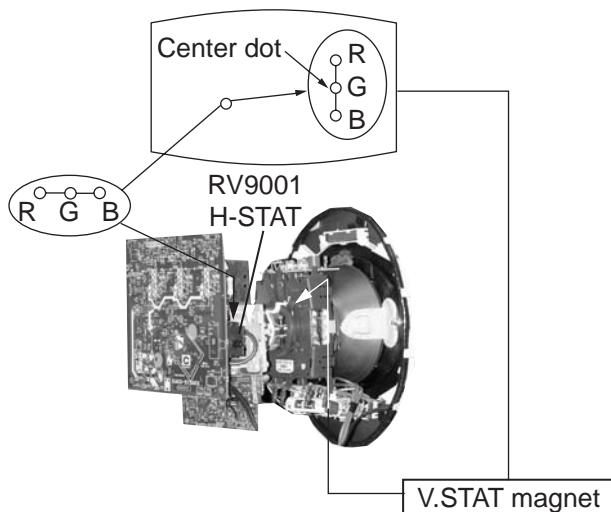
## 2-2. CONVERGENCE

### Preparation:

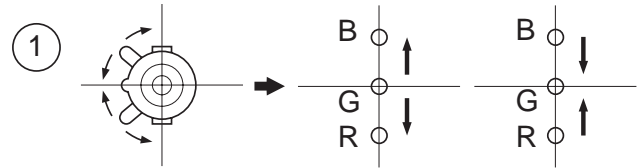
- Set the CONTRAST and BRIGHTNESS control to standard (reset).
- Input a cross hatch pattern signal.

### 2-2.1. VERTICAL AND HORIZONTAL STATIC CONVERGENCE

1. Set dynamic convergence to default values (as in 2-1. Beam Landing) or disconnect the dynamic convergence before adjusting static convergence (CN903), except for minor touch-up.
2. Adjust H.STAT convergence, RV9001, on CX Board to converge red, green, and blue dots in the center of the screen.
3. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen.



4. Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.



## 2-3. V-PIN AND V-CEN ADJUSTMENT

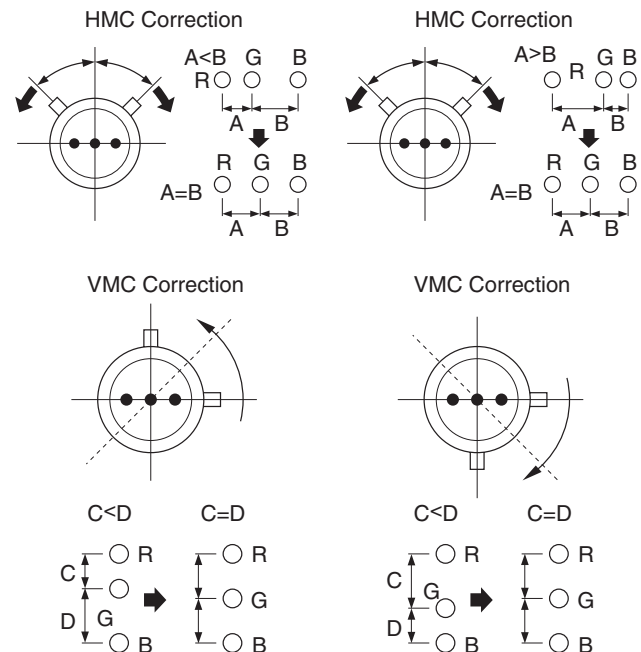
### Preparation:

- Input a cross hatch pattern signal.
  - Set Video Mode to: Standard (Reset)
  - For all 4X3 CRT, VPIN data has separate register for full and V-compress. Adjust both modes if needed.
  - For all 16X9 CRT, adjust VPIN data in normal mode for straightness of horizontal line.
1. Adjust service mode CXA2170D-1 05 V-CEN so that the top pin and bottom pin are symmetrical from top to bottom.
  2. Adjust service mode CXA2170D-1 06 V-PIN so that the top pin and bottom pin are symmetrical from top to bottom.
  3. Horizontal lines should be straight from left to right. Check landing for side effect.

### 2-3.1. OPERATION OF BMC (HEXAPOLE) MAGNET

The respective dot positions result from moving each magnet interact. Perform the following adjustments while tracking.

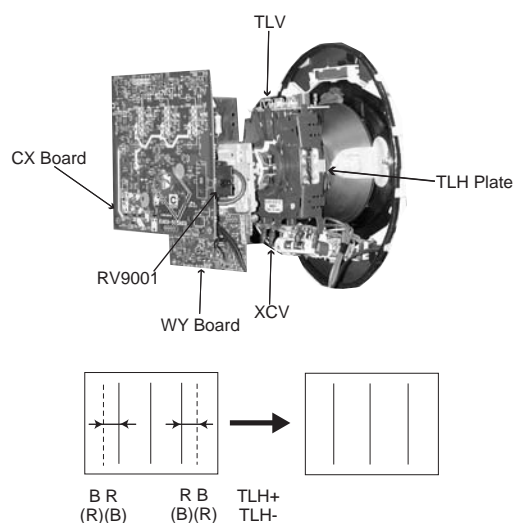
1. Use the BMC tabs to adjust the red, green and blue dots so that they line up at the center of the screen (move the dots in a horizontal direction).



## 2-3.2. TLH PLATE ADJUSTMENT

### Preparation:

- Input a cross hatch pattern signal.
- Adjust unbalanced horizontal convergence of red and blue dots by adjusting the TLH Plate on the deflection yoke.



1. Adjust XCV core to balance X axis.
2. Adjust the vertical red and blue convergence with V.TILT (TLV VR).

**Note:** Perform adjustments while tracking Item 1.

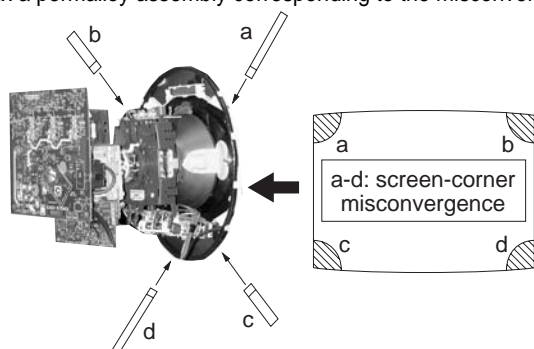
**Note:** When static convergence adjustments are complete, restore dynamic convergence.

## 2-3.3. SCREEN-CORNER CONVERGENCE

### Preparation:

- Input a cross hatch pattern signal.

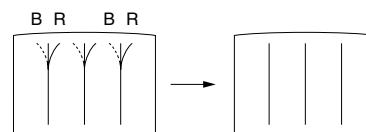
1. Affix a permalloy assembly corresponding to the misconverged areas.



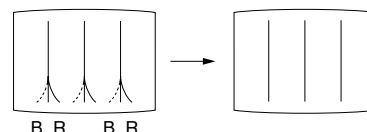
## 2-3.4. DYNAMIC CONVERGENCE ADJUSTMENTS

- Set dynamic convergence using the following service registers. Note areas of change.
- Only H-component can be corrected, for vertical component use permalloy to compensate.

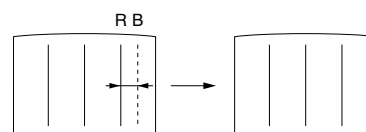
### 0. YBWU (Upper Y-BOW)



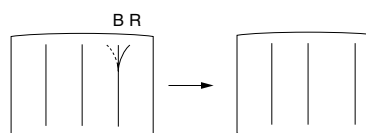
### 1. YBWL (Lower Y BOW)



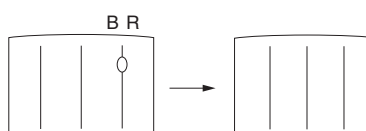
### 2. RSAP (Right H AMP)



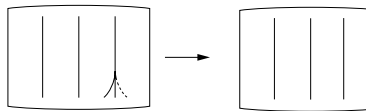
### 3. RUBW (Right Upper BOW)



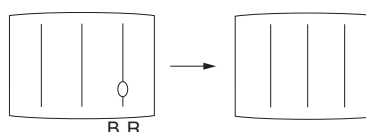
### 4. RUMB (Right Upper Middle BOW)



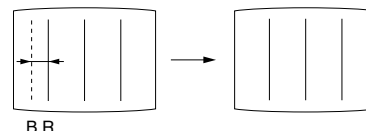
### 5. RLBW (Right Lower BOW)



### 6. RLMB (Right Lower Middle BOW)

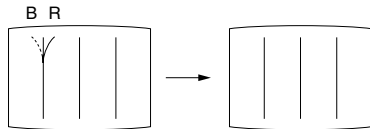


### 7. LSAP (Left H AMP)

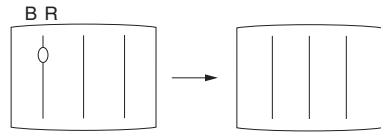




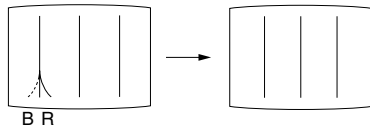
## 8. LUBW (Left Upper BOW)



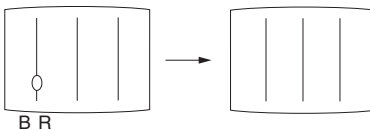
## 9. LUMB (Left Upper Middle BOW)



## 10. LLBW (Left Lower BOW)



## 11. LLMB (Left Lower Middle BOW)



## 12. CADJ Fix 29

## 2-4. FOCUS ADJUSTMENT

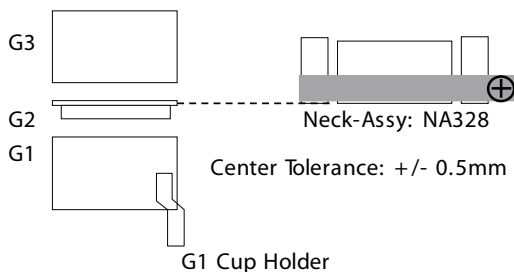
Confirm neck assembly Z axis position. (See Figure 1)

1. Input a dot signal.
2. Set Video Mode to STANDARD.
3. Adjust focus VR counter clockwise (Over Focus) to confirm the dot's shape. Center should be very slightly oval with left and right sides balanced.
4. Input a HD monoscope signal.
5. Confirm center focus with focus VR.

### KD-34XBR960/34XS955/36XS955

CRT: 36RDE/38RFN (Super-fine pitch and square fannel)

Neck Assy: NA328 (VA-type, square pin assignment, VPIN harness)



### KD-30XS955

CRT: 32RDE (Super-Fine Pitch and square fannel)

Neck Assy: NA2920 (VA-Type, Square pin assignment, VPIN harness)

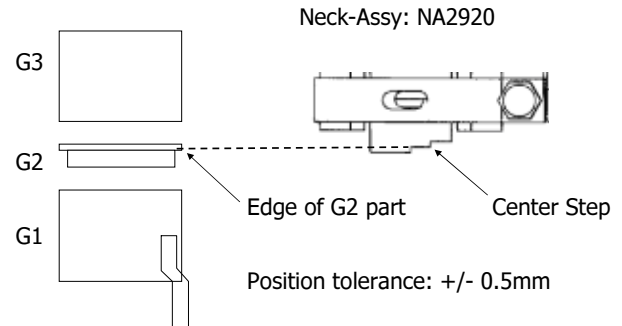
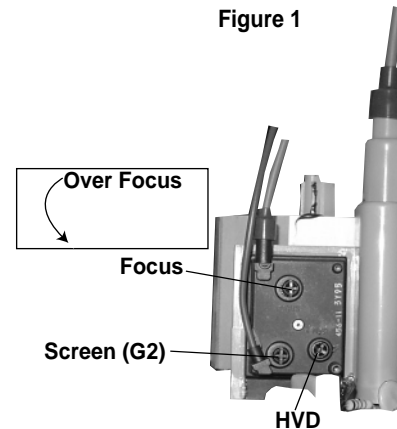
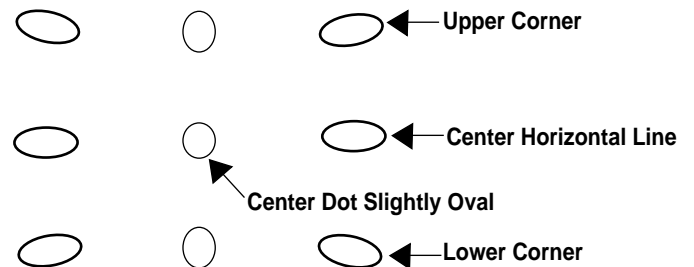


Figure 1



### DQP Dot Pattern



**NOTE:** Changing neck assembly position will affect corner convergence.

### 2-4.1. DYNAMIC FOCUS/DYNAMIC QUADRA-POLE DATA

Normally, no adjustments are necessary for these systems. If for some reason the data is lost, use the data from Table 1 below:

1. Write the data from any non-vertically compressed mode, then use the CPY1 function (CXA2170D-4 Item 6) to copy the data to the vertical compressed modes.

**Note:** V-compressed data is identical to non-v-compressed data. Service personnel with a trained eye can adjust the DF or DQP registers to adjust DF phase (Item 7) or DQP phase (Item 8), respectively, to balance left and right focus. Refrain from adjusting more than 5 steps from table data below. Further adjustment indicates a circuit problem -- troubleshoot to cause.

**CAUTION:** Be sure that Neck Assembly is in the proper location. Mark position before moving or replacing neck assembly.

(See Section 2-4 Figure 1 - before changing DF/DQP data or troubleshooting circuit when DF/DQP is suspect.)

Procedure to adjust or check:

1. Short Q8018 B-Gnd to disable DF.

B Mark is on the circuit board. Circuit connection changes should always be done with the power off.

**CAUTION: Q8018 heatsink is live and peak voltage is 250V.**

2. Input a cross hatch signal.

3. Change CXA2170-P2 item 2 RGBS to 2 to make green only.

1. Overfocus to adjust DQP phase. Adjust the data (CXA2170-D4 item 8) to balance left and right vertical line width.
2. Once DQP is balanced, remove the short from DF circuit and refocus the set.
3. Adjust DF (CXA2170-D4 item 7) to balance left and right vertical line width.
4. Reconfirm focus performance.

	30	34	36
QPAM	33	45	22
QPAV	46	47	40
QPAP	6	6	6
QPDC	29	42	17
QPDV	59	63	52
QPDP	6	6	6
DF	40	36	36
DQP	38	37	37

Table 1

## 2-5. SCREEN (G2)

1. Input composite white field into Video 1.
2. Set to service mode and adjust as follows:

(Fig. 1)	Opeartion Procedure	Standards	Notes
CXA2170P-2 PICO 1-> 0	1) In Full mode, apply changes in Fig. 1 2) Mount G2 adjustment jig. Adjust Cathode voltage if the standard is not met. Standard varies by CRT size. 3) Adjust G2 by Flyback transformer (T8001). 4) Return data changes in 1) to original condition.	170 +/- 5 (V <sub>DC</sub> )	32RDE, 36RDE, 38RFN

## 2-6. PICTURE QUALITY ADJUSTMENTS

### Preparation:

- Set PRO MODE (Reset).

1. Input signal (480i Composite):
  - Color Bar Video 75 IRE (White) 75% modulation 7.5% Set-up.
  - Color Bar RF 75 IRE (White) 75% modulation 7.5% Set-up.

### 2-6.1. VIDEO INPUT - SUB CONTRAST ADJUSTMENT

#### Preparation:

- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- Picture: Max
- Color: Min

1. Set to Service Mode and adjust as follows:

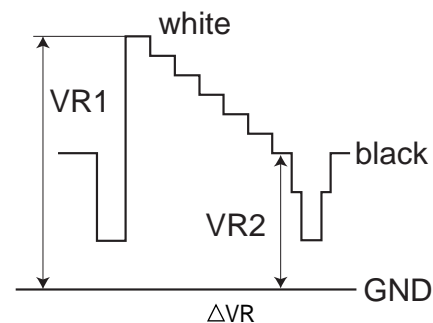
#### 2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	4

2. Connect oscilloscope to Pin 1 of CN9001 (R.DRV) on the CX Board.
3. Adjust contrast according to the service mode item: SPIO.

#### 2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



$$(32XS/34XBR/34XS/36XS) = 1.60 \pm 0.05 \text{ Vpp}$$

4. Write data from Step 3 above, into memory.

## 2-6.2. VIDEO INPUT - SUB HUE/SUB COLOR ADJUSTMENT

Preparation:

- Input a Color Bar signal to VIDEO 1 (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE Reset).
- Picture: Max

1. Set to Service Mode and adjust as follows:

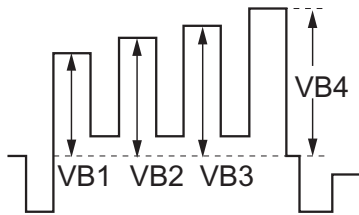
### 2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	7

2. Connect an oscilloscope to Pin 5 of CN9001 (B. DRV) on the CX Board.
3. Adjust color according to Service Mode for SCLO.
4. Adjust color according to Service Mode for SHUO.

### 2103-1

NO.	Name	Control Function
03	SCOL	SUB-COL
04	SHUE	SUB-HUE



COLOR:  $VB1 \leq VB4$  ( $\approx 20\text{mV} \pm 200\text{ mV}$ )

HUE:  $VB2 \leq VB3$  ( $\approx 20\text{mV} \pm 200\text{ mV}$ )

5. Write data into memory.

## 2-6.3. RF INPUT - SUB CONTRAST ADJUSTMENT

Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- Set picture mode: Single (Full) (PRO MODE).
- Picture: Max
- Color: Min

1. Set to Service Mode and adjust as follows:

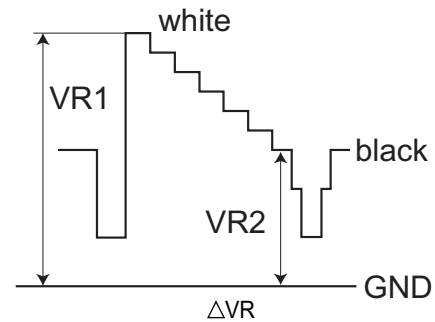
### 2170P-2

NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	4

2. Connect an oscilloscope to Pin 1 of CN9001 (R. DRV) on the CX Board.
3. Adjust contrast according to service mode for SCON.

### 2103-1

NO.	Name	Control Function
02	SCON	SUB-CONT



$(32\text{XS}/34\text{XBR}/34\text{XS}/36\text{XS}) = 1.60 \pm 0.05\text{ Vpp}$

4. Write data from Step 3 above, into memory.

## 2-6.4. RF INPUT - SUB HUE/SUB COLOR ADJUSTMENT

### Preparation:

- Input a Color Bar signal to RF (75 IRE 75%).
- Set picture mode: single (FULL) (PRO MODE Reset).
- Picture: Max

1. Set to Service Mode and adjust as follows:

### 2170P-4

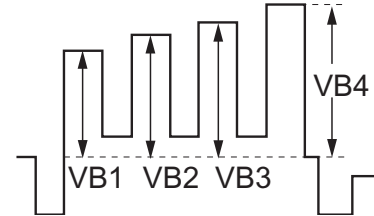
NO.	Name	Control Function	Avg. Data
01	RGBS	R ON	7

2. Connect an oscilloscope to pin 5 of CN9001 (B. DRV) on the CX Board.
3. Adjust color according to Service Mode for SCOL.

4. Adjust color according to Service Mode for SHUE.

### 2103-1

NO.	Name	Control Function
03	SCOL	SUB COLOR
04	SHUE	SUB HUE



COLOR:  $VB1 \leq VB4$  ( $=20\text{mV} \pm 200 \text{ mV}$ )

HUE:  $VB2 \leq VB3$  ( $=20\text{mV} \pm 200 \text{ mV}$ )

5. Write data into memory.

## 2-7. WHITE BALANCE (CRT) AND SUB BRIGHT ADJUSTMENT

### Preparation

- Input an all white 480I (15.734 KHz) signal into the VIDEO 1 input terminal to perform the White Balance (highlight, cut-off) adjustments. The parameters to adjust are in the CXA2170P1 in Service Mode.
- Set Picture Mode: Single (FULL) (POR MODE Reset)
- Picture: Max
- Color: Min

WHITE BALANCE ADJUSTMENT PROCEDURE (Composite White Field signal into Video 1)																																																																																																				
Highlight and Cutoff Specification	Old Calibration		New Calibration		WB701 Preset		R/G	B/G																																																																																												
	9300K + 8MPCD		10900K + 2MPCD			32RDEN	0.775	0.915																																																																																												
Condition	R/G = 1.000		R/G = 1.007		36RDE	0.770	0.930																																																																																													
	B/G = 1.000		B/G = 1.139		38RFN	0.713	0.903																																																																																													
	x = 0.284		x = 0.276																																																																																																	
	y = 0.298		y = 0.284																																																																																																	
	Picture Mode: Single (Full)		Picture Setting: Pro																																																																																																	
	Color Temp: Neutral																																																																																																			
Picture: 63		write to 86h:01h:FFh																																																																																																		
Color: 0		write to 86h:03h:00h																																																																																																		
Adjustment Registers (Service Mode)					RDRV (fixed)	2170P-1-06																																																																																														
					GDRV	2170P-1-07																																																																																														
					BDRV	2170P-1-08																																																																																														
					RCUT (fixed)	2170P-1-09																																																																																														
					GCUT	2170P-1-10																																																																																														
					BCUT	2170P-1-11																																																																																														
<table border="1"> <thead> <tr> <th>PART NO.</th><th>DESCRIPTION</th><th>Qty</th><th>Tools/Instruments</th><th>Qty</th><th>4x</th><th>3x</th><th>2x</th><th>1x</th><th>DATE</th><th>Drawing No. registration</th><th>SIGN</th><th>SST</th></tr> </thead> <tbody> <tr> <td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										PART NO.	DESCRIPTION	Qty	Tools/Instruments	Qty	4x	3x	2x	1x	DATE	Drawing No. registration	SIGN	SST	1													2													3													4													5													6												
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TITLE: White Balance Adjustment (2)										TS-6999-988M-01																																																																																										

## 2-7.1. COLOR OFFSET ADJUSTMENT PROCEDURE

### Preparation:

- Input an all white (30 IRE) signal to the specified input.
- Adjust the white balance using the specified registers.
- Set picture mode: Single (FULL) (PRO MODE Reset)
- Color: Max

### VIDEO 1

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

### VIDEO 5

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB OFFSET
4	CROF	CR OFFSET

### VIDEO 7 -

#### CXA2170P1

NO.	Name	Control Function
3	CBOF	CB0F (FROM VIDEO 5) + 3
4	CROF	CR0F (FROM VIDEO 5) - 4

## 2-8. H RASTER CENTER ADJUSTMENT

### Preparation:

- Input a monoscope signal.
- Set to NTSC (DRC) mode.

1. Set to Service Mode and adjust as follows:

#### CXA2170P-2

NO.	Name	Control Function	Data
05	AGNG	AGING 1, AGING 2	2

#### CXA2170D-2

NO.	Name	Control Function	Avg. Data
01	HPOS	Horiz Position	31
02	HSIZ	Horiz Size	31

#### CXA2170D-3

NO.	Name	Control Function	Avg. Data
00	HBLK	Blanking Enable	0

2. Reduce HSIZ to see sides of raster. (See Figure A)
3. Adjust H-Center with CXA2170D-2.
4. Adjust to the best screen position with H-CENT and write data.
5. Restore aging, HSIZ and HBLK to original condition.

### Raster Edge Equal:

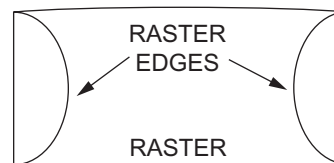


Figure A

## 2-9. PICTURE DISTORTION ADJUSTMENTS

### 2-9.1. NTSC (DRC) FULL MODE ADJUSTMENT

1. Face the picture tube in an east-west direction. (For best condition.)
2. Input a monoscope and crosshatch signal.
3. Adjust the picture distortion with the two signals to balance the best condition between the two.

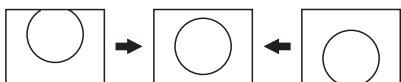
Use the CXA2170-D1 and -D2 adjustable data items shown.

4. Complete V-PIN and V-CEN adjustments first and adjust HPTZ to straighten and parallel top and bottom lines.
5. Adjust VSCO, VLIN as necessary.
6. Adjust VSIZ and VPOS and write the data.
7. Adjust for Vertical line distortion.
8. Adjust VANG, VBOW, LANG, LBOW.  
**Note:** Keep LANG and LBOW data between 5 and 58.
9. Finish with UCP, LCP, PPHA, PIN adjustments.
10. Check SLIN, MPIN. Adjust for correct HSIZ and HPOS and write the data before changing modes.

**NOTE:** Make sure that the picture size is within specs. Vertical size is  $11.8 \pm 0.1$  sq. and horizontal size is  $15.8 \pm 0.1$  sq.

#### CXA2170D-1

- Item 0. VPOS (V-POSITION)



- Item 1. VSIZ (V-SIZE)



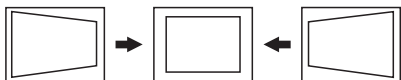
- Item 3. VLIN (V-LINEARITY)



- Item 4. VSCO (V S-CORRECTION)

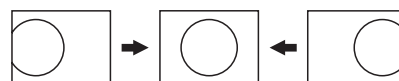


- Item 9. HTPZ (H-TRAPEZOID)

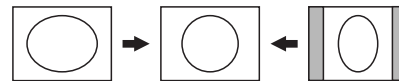


#### CXA2170D-2

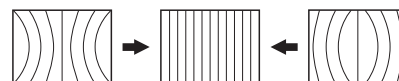
- Item 1. HPOS (H-POSITION)



- Item 2. HSIZ (H-SIZE)



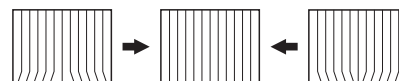
- Item 5. PIN (PIN AMP)



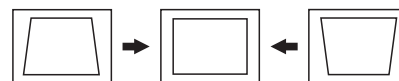
- Item 7. UCP (UP COR PIN COR)



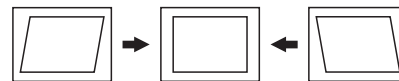
- Item 8. LCP (LOW CO PIN COR)



- Item 14. PPHA (PIN PHASE)



- Item 15. VANG (AFC-ANGLE)



- Item 16. LANG (L-ANGLE)



- Item 17. VBOW (AFC-BOW)



- Item 18. LBOW (L-BOW)



## 2-9.2. 1080i HD MODE ADJUSTMENT

1. Input a 1080i cross-hatch signal and an HD monoscope full signal that contains overscan markers. (From service mode, verify 1080i mode).
2. If this procedure was not performed for full mode, adjust the raster position per Section 2-8. H Raster Center Adjustment.
3. Adjust the geometry similar to Full DRC mode.  
Vertical size is  $11.7 \pm 0.1$  sq. and horizontal size is  $15.6 \pm 0.1$  sq., if monoscope signal is available. Otherwise, set the Vertical size to  $91.0 \pm 0.6\%$  scan and Horizontal size as  $91.0 \pm 0.6\%$  scan.
4. Adjust HPOS as necessary.  
**Note:** If necessary, touch up the geometry using the data registers listed above for full mode. Check NTSC full mode for adjustment side effects because some data registers are shared between modes, in which case a balance must be achieved.
5. Write the data into memory before changing modes.

## 2-9.3. VERTICAL COMPRESSED MODE CHECK AND CONFIRMATION (FOR 4X3 CRT ONLY)

1. Input a monoscope and crosshatch signal.
2. Set CXA2170-P4 item 26 IDSW to 4 (VC 960i).
3. Check for vertical compressed mode distortion.
4. Adjust VPIN as necessary to correct upper lower horizontal line straightness. Adjust other registers in Full mode above as necessary, being careful to balance any shared data effect between modes.
5. Repeat steps 3 and 4 for IDSW set to 3 (VC 1080i).
6. Write the data before changing modes.

## 2-9.4. NORMAL, ZOOM AND WIDE ZOOM MODES

1. Check Normal and Zoom modes for size and position.
2. Optimize VPIN adjustment in Normal mode for the straightest upper and lower horizontal lines. For other registers, remember to check for shared data side effect.
3. Write the data before changing modes.
4. Check Wide Zoom mode for size and position.  
Wide Zoom is a specially adjusted mode to fit a 4:3 picture into a 16:9 format, and is only available on wide screen models.
5. Set the following key registers to the data indicated:  
VSCO = 10, UVLN = 4, LVLN = 4, SLIN = 10, MPIN = 9,  
then adjust the other data registers shown here for Full mode to straighten horizontal and vertical lines. The picture on the top and bottom edge is deliberately compressed vertically, and similarly the picture on the left and right side is expanded horizontally.  
**Note:** Do not adjust horizontal and vertical linearity to make another Full mode. Most data registers for this mode are dedicated to Wide Zoom mode only so there should be no adjustment side effects to other modes but please confirm this.
6. Write the data before changing modes.

## SECTION 3: SAFETY RELATED ADJUSTMENTS

### 3-1. PREPARATION BEFORE CONFIRMATION

Standard: ..... 135.3  $\pm$  1 VAC

Check Condition:

AC input voltage: 120 ( $\pm$  2) VAC

Note: If using a stabilized power supply, make sure that the distortion factor is 3% or less.

Setting Mode: ..... Full mode

Signal Input: ..... Cross-hatch of NTSC

Initial Setting: ..... Standard Reset condition

Confirm Point: ..... Across CN5509 PIN 9 for B+ of DZ Board

#### 3-1.1 HOLD-DOWN OPERATION CONFIRMATION

1. Using an external DC power supply, apply 5.3  $\pm$  0.5 Vdc between Pin 2 of CN507 (jig connector) and ground (Pin 8); confirm set goes to hold-down (main power relay click).
2. Remove the external DC power supply.

### 3-2. B+ MAX CONFIRMATION

Standard ..... 135.3  $\pm$  1 VAC

Check Condition:

AC input voltage: 120 ( $\pm$  2) VAC

Note: If using a stabilized power supply, make sure that the distortion factor is 3% or less.

Setting Mode: ..... Full mode

Signal Input: ..... Cross-hatch of NTSC

Initial Setting: ..... Standard Reset condition

Confirm Point: ..... Across CN5509 PIN 9 for B+ of DZ Board

### 3-3. B+ VOLTAGE CHECK

Standard: ..... 135.3  $\pm$  1 VDC

Measurement point:

CN5509 pin (9) for B+ of [DZ] board

Input Video Signal: ..... All Black Signal

Picture level: ..... Picture/Brightness Minimum

HV Probe: Service can use Fluke 80K-40 or equivalent.

### 3-4. HIGH VOLTAGE (HV) CHECK

Standard: ..... 32.5  $\pm$  0.5 kV

Measurement point: ..... Anode of CRT

Input Video Signal: ..... All Black Signal

Picture level: ..... Picture/Brightness Minimum

### 3-5. PREPARATION FOR HV AND IK PROTECTOR CHECK

1. Remove DZ board screws and carefully lift board as necessary to gain access to the bottom of the board.
2. Unsolder CN5001 pin 1 to open ABL connection to AZ board.  
(Alternately, open AZ - DZ connector (CN509-CN5001) and carefully push pin 1 metal tab (ABL) up from the bottom and pull up from the top using long nose pliers and release it from the connector, then close the connector with pin 1 connection now open.)
3. Install jumper wire from MZ board connection CN2304 pin 1 to CN509 pin 1 to inject 5V to ABL line. (Alternately, use STBY 5V, IC501 Pin O on AZ board)
4. Unsolder CN5009 pin 8 (H-prot).
5. Open ABL pin 1 of T8001 (RHT) on DZ board and connect analog current meter.

### 3-6. HV PROTECTOR CHECK

#### 3-6-1. CUT OFF CONDITION

Input Video Signal: ..... All Black Signal

Picture level: ..... Picture/Brightness Minimum

1. Confirm ABL current which should be approximately 0.160mA.
2. Short across C8002, C8021, and C8052.
3. Turn off the set and install precision VR1 jig (a multi turn pot initially set to 100K) to IC8005 pin 1 (It's the unmarked IC8005 pin on PWB A side, neither K nor A.) and GND (C8076 -).
4. Restore power and adjust HV to obtain 36.4  $\pm$  0.15kV by precision VR1 jig.  
**Note:** If the picture turns bright red or other color and the set shuts down, place a 10 M resistor on the CX board between G2 and E2 pins on the socket. Confirm G2 adjustment before returning set to production.
5. Remove short from C8002 and confirm that hold down activates.
6. Short C8002 again and confirm that HV recovers.
7. Re-adjust HV to obtain 33.5  $\pm$  0.2 kV by precision VR1 jig.
8. Remove short from C8002 and C8021 and C8052.
9. Confirm that hold down does not activate.

**Note:** Remove the 10 M resistor , if installed in step D above



### 3-6-2. HIGH LIGHT CONDITION

Input Video Signal:.....All White Signal

Picture level:.....Picture/Brightness Adjustment

1. Short across C8002, C8021, C8052, C8012, and C8015.
2. Set ABL current to **2.76mA** by adjusting picture and brightness towards max condition.
3. Adjust HV to obtain **35.7 ± 0.15kV** by precision RV1 jig.
4. Remove short from C8002 and confirm that hold down activates.
5. Short C8002 again and confirm that HV recovers.
6. Re-adjust HV to obtain **32.2 ± 0.2 kV** by precision VR1 jig.
7. Remove shorts from C8002, C8021, and C8052.
8. Confirm that hold down does **not** activate.
9. Remove short from C8012 and C8015.
10. Remove VR1 jig from DZ board

### 3-7. IK PROTECTOR CHECK

Input Video Signal:.....All White Signal

Picture level:.....Picture/Brightness Adjustment

1. Short across C8015.
2. Set ABL current to 2.76mA by adjusting picture and brightness towards max condition.
3. Confirm that AC Relay shuts off.
4. Remove short from C8015 and Short across C8012.
5. Turn the set off and on to reset AC relay latch.
6. Confirm the voltage at CN5009 pin 8 (H\_prot) =  $3.6 \pm 0.5V$ .
7. Remove short from C8012.

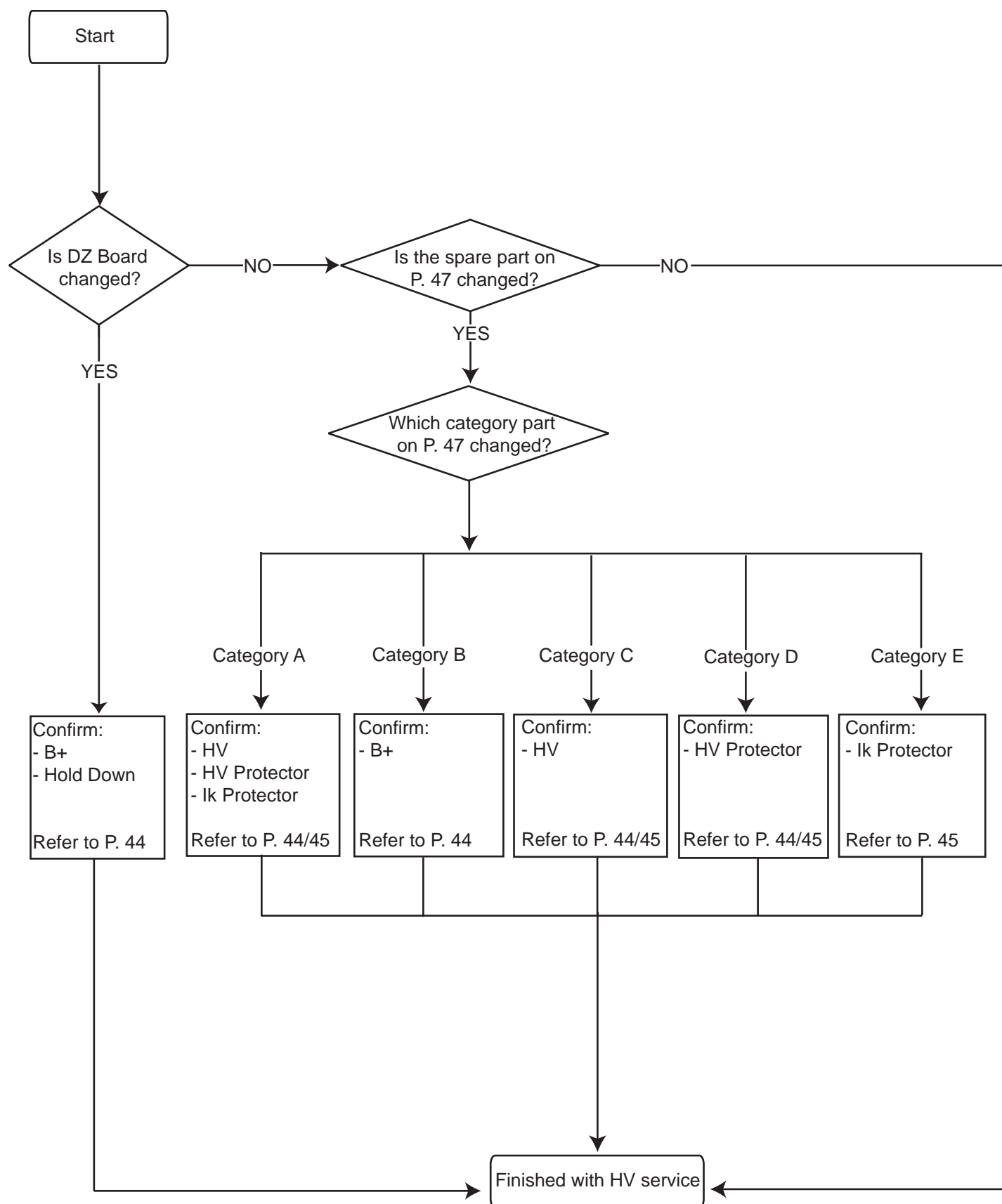
### 3-8. HOLD DOWN CHECK

1. Using an external DC power supply, apply  $5.3 + 0.5 V_{dc}$  between Pin 2 of CN507 (jig connector) and ground (Pin 8) on AZ board.
2. Confirm that hold down activates.
3. Remove the external DC power supply.

### 3-9. RESTORATION

1. Re-solder CN5001 pin 1 and CN5009 pin 8 to restore AZ -DZ connections.  
(Or as applicable, restore AZ –DZ connector by carefully pressing the tab back into the slot and snapping the connector shut. Be sure the tab is flush and level with the other tabs on the connector.)
2. Remove jumper wire from MZ board connection CN2304 pin 1 to CN509 pin 1.
3. Remove current meter from ABL pin and restore ABL pin connection.
4. Replace all DZ board screws and restore user menu settings to reset condition.

## 3-10.HS SERVICE FLOWCHART



**HS SERVICE FLOWCHART TABLE**

<b>Ref. #</b>	<b>Category</b>
T8001	A
R8015	C
R8017	C
R8019	D
R8035	E
R8036	E
R8037	E
R8038	E
R8039	E
R8040	E
R8043	E
R8078	D
R8165	D
IC8005	C
IC8104	D
R8012	C
R8014	C
R8016	D
R8021	C
R8027	E
R8029	E
R8030	E
R8031	E
R8046	D
R8052	D
R8059	C
R8060	C
R8066	C
R8072	D
R8079	D
R8082	E
R6590	B
D8022	D
PH8003	C
Q8007	E
Q8008	E
IC8001	D
IC8002	C
IC8004	C
IC6503	B

## SECTION 4: CIRCUIT ADJUSTMENTS

### ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use the Remote Commander (RM-Y199, RM-Y201) to perform the circuit adjustments in this section.

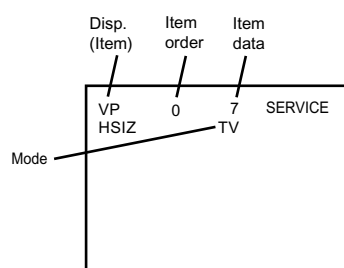
Test Equipment Required: 1. Pattern generator 2. Frequency counter 3. Digital multimeter 4. Audio oscillator

#### 4-1. SETTING SERVICE ADJUSTMENT MODE

- Standby mode (Power off).
- Press the following buttons on the remote commander within a second of each other:

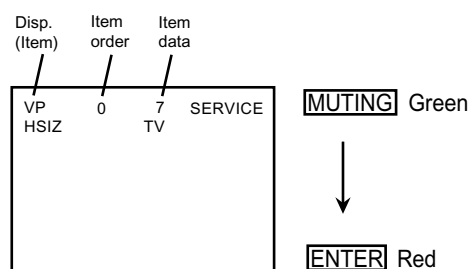
**DISPLAY** → Channel **5** → Sound Volume **+** → Power

##### 4-1.1. SERVICE ADJUSTMENT MODE IN

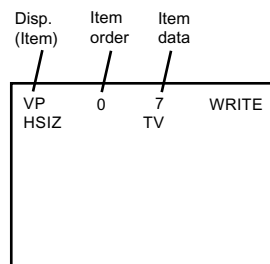


- The CRT displays the item being adjusted.
- Press **1** or **2** on the Remote Commander to select the item.
- Press **3** or **6** on the Remote Commander to change the data.
- Press **MUTING** then **ENTER** to write into memory.

##### 4-1.2. SERVICE ADJUSTMENT MODE MEMORY



- Press **8** then **ENTER** on the Remote Commander to initialize.



- DO NOT turn off set until SERVICE appears.

#### 4-1.3. READING THE MEMORY

- Enter into Service Mode.
- Press **0** on the Remote Commander.
- Press **ENTER** to read memory.

#### 4-1.4. ADJUSTING THE PICTURE

- Enter into Service Mode
- Press **2** or **5** on the remote to select the device item.
- Press **1** or **4** on the remote to select an item.
- Press **3** or **6** on the remote to change the data.
- Press **MUTING** then **ENTER** to write into memory.

#### 4-1.5. RESETTING THE DATA

**CAUTION:** Be careful when using the remote! It will clear and re-initialize ALL NVM data including deflection adjustment data if not reset properly as follows:

##### 4-1.6. RESETTING THE MID NVM DATA

- Enter into Service Mode.
- Press **7** then **JUMP**, and then press **ENTER** on the remote.

##### 4-1.7. RESETTING THE SYSTEM NVM DATA

- Enter into Service Mode.  
(This resets DEFL adjust and video white balance.)
- Press **7** then **9**, and then press **ENTER** on the remote.

##### 4-1.8. COPY FUNCTION

How to use copy function for DA4 Chassis:

- After writing your adjusted data into NVM, press **MUTING** then **ENTER** to write into memory.  
To copy change copy data from **0** to **1** then press **MUTING** then **ENTER** again.

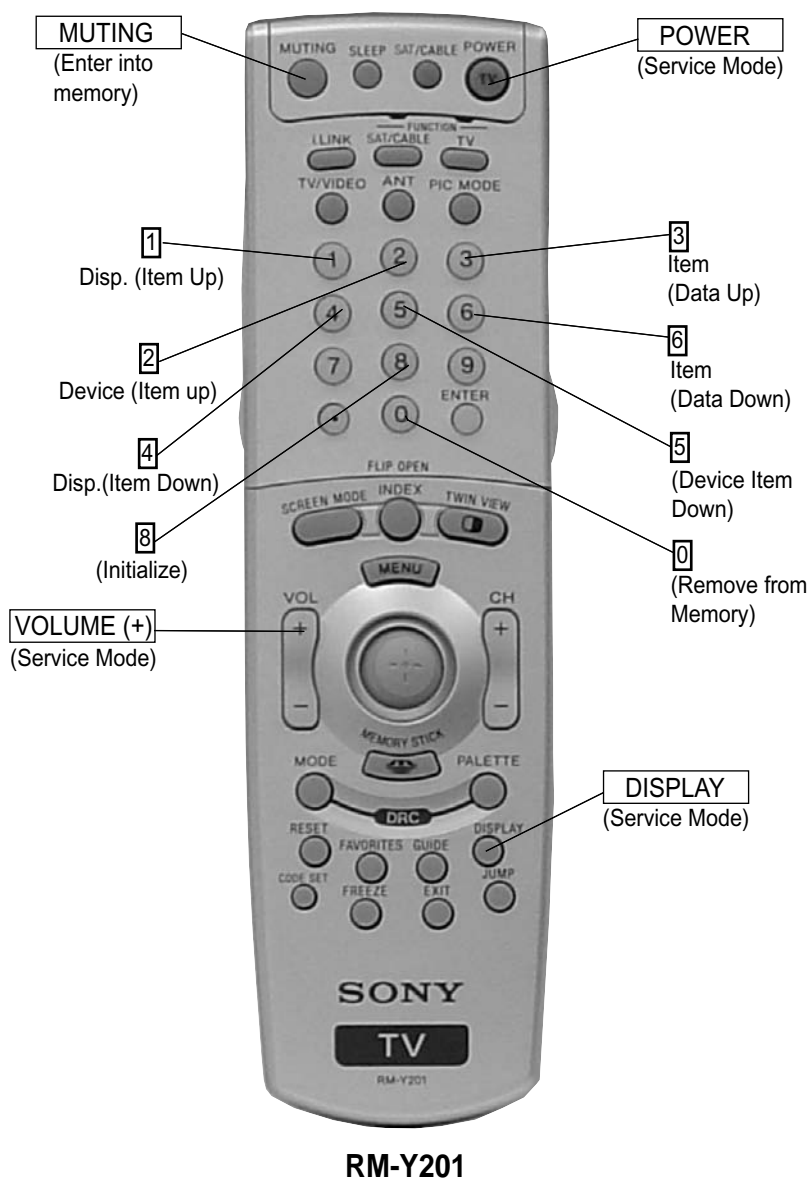
**WARNING:** DO NOT copy data before writing your corrected data in NVM. If data is copied before writing corrected data, old data will be copied.

- CPY1: DF/DQP DATA (CXA2170D-4 Item 6)

## 4-2. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again to confirm they were adjusted.

## 4-3. REMOTE ADJUSTMENT BUTTONS AND INDICATORS



4-4. SERVICE DATA

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
VERSION	0	VER*	0,1	0 *							
	1	DMY1*	0-255	0 *							
3D-COMB	0	NRMD*	0-3	0 *	<b>Note:</b> Item* uses the fixed setting in normal TV operations. {Its setting can be changed for testing in Servcie mode only. But the change will not be memorized after leaving Service mode.}						
	1	CLKS	0-3	1							
	2	NSDS*	0-3	0 *							
	3	MSS*	0-3	0 *							
	4	KILS*	0-3	1 *							
	5	FRZE*	0,1	0 *							
	6	EXCS	0-3	1							
	7	CDL	0-7	3							
	8	DYCO	0-15	2							
	9	DYGA	0-15	10							
	10	DCCO	0-15	5							
	11	DCGA	0-15	5							
	12	WSC	0-2	1							
	13	WSS	0,1	0							
	14	VAPG	0-7	4							
	15	VAPI	0-31	4							
	16	TEST*	0,1	0 *							
	17	YPFT	0-3	3							
	18	YPFG	0-15	9							
	19	SEDC	0,1	0							
	20	SEDY	0,1	1							
	21	YHCO	0-3	1							
	22	YHCG	0,1	0							
	23	SYSP	0-3	0							
	24	TES2*	0-7	0 *							

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2103-1				V5/V6/ATSC	Others	HDMI					
	0	YLEV	0-62	20	20	16					
	1	CLEV	0-63	25	17	17					
				RF	CV/YC						
	2	SCON	0-15	8	7						
	3	SCOL	0-15	4	5						
	4	SHUE	0-15	7	8						
	5	YDLY	0-3	0	0						
				RF	CV/YC	V5/V6	HDMI	ATSC			
	6	SHAP	0-15	9	8	4	4	8			
	7	SHF0	0-3	0	0	3	3	0			
	8	PRE0	0-3	3	3	3	3	3			
	9	BPF0	0-3	3							
	10	BPFQ	0-3	2							
				RF	CV/YC						
	11	BPSW	0,1	1	0						
	12	TRAP	0,1	0							
	13	LPF	0,1	1							
				RF	CV/YC	Others					
	14	AFCG	0,1	1	0	0					
	15	CDMD	0-3	3	3	3					
	16	SSMD	0-3	0	0	0					
				RF	CV/YC	V5/V6	HDMI	ATSC			
	17	HMSK	0,1	0	1	1	1	0			
	18	HALI	0,1	0							
				RF	CV/YC	V5/V6	HDMI	ATSC			
	19	PPHA	0-15	7	7	7	7	7			
				V5/V6	ATSC	Others					
	20	CBO1	0-63	31	31	31					
	21	CRO1	0-63	31	31	31					
				HDMI/ATSC							
	22	CBO2	0-63	31							
	23	CRO2	0-63	31							
				Single	BLK = 0	BLK = 1	BLK = 2	BLK = 3	Notes: Settings applied to CXA2103 (M&S) Settings also based on 2170P-4/BLK data		
	24	ATPD	0-3	0	1	1	2	0			
	25	DCTR	0-3	0	2	1	3	0			

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2103-2				DRC	VDO						
	0	YLEV	0-63	24	41						
	1	CLEV	0-63	10	31						
				RF	CV/YC						
	2	SCON	0-15	8	6						
	3	SCOL	0-15	7	7						
	4	SHUE	0-15	7	9						
	5	YDLY	0-3	0	0						
	6	SHAP	0-15	6	8						
	7	SHFO	0-3	0	0						
	8	PREO	0-3	3	3						
	9	BPF0	0-3	3							
	10	BPFQ	0-3	0							
				RF	CV/YC						
	11	BPSW	0,1	1	0						
	12	TRAP	0,1	0							
				DRC	VDO						
	13	LPF	0,1	1	0						
				RF	CV/YC						
	14	AFCG	0, 1	1	0						
	15	CDMD	0-3	3	3						
	16	SSMD	0-3	0	0						
	17	HMSK	0,1	0	1						
	18	HALI	0,1	0							
				RF	CV/YC						
	19	PPHA	0-15	7	7						
	20	CBO1	0-63	37							
	21	CRO1	0-63	33							



KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A																
2170P-1				DRC		HDMI	ATSC	V5/V6	PT																		
				CV/YC	480i																						
	0	YOSW	0,1	1	0	0	0	0	1																		
	1	TCOF*	0,1													0 *											
																DRC	V5&6				HDMI				MS / ATSC		
				RF/CV/YC	480i	480p	720p	1080i	480i	480p VGA	720p	1080i	480i	480p	720p	1080i											
	2	YOF	0-15													0	15	13	13	12	13	15	13	15	15	15	10
	3	CBOF	0-63	31	31	44	47	45	31	42	45	45	31	43	45	44											
	4	CROF	0-63	31	31	42	46	45	31	41	46	47	31	42	47	47											
																1080i PT											
	5	CBOP	0-63	36																							
	6	CROP	0-63	37																							
																Color Temp Neutral											
	7	SBRT	0-63	24	<div>Offset from V5/V6 480i's data</div>																						
	8	RDRV	0-63	32																							
	9	GDRV	0-63	22																							
	10	BDRV	0-63	20																							
	11	RCUT	0-63	32																							
	12	GCUT	0-63	16																							
	13	BCUT	0-63	22																							
																	Color Temp	<div>Note: The WBSW setting in Warm can be memorized in NVM.</div>									
				Cool													Warm										
	14	WBSW	0,1	0	0																						
	15	SBOF	0-15	7	7																						
	16	RDOF	0-63	31	31																						
	17	GDOF	0-63	31	26																						
18	BDOF	0-63	34	16																							
19	RCOF	0-63	31	31																							
20	GCOF	0-63	31	27																							
21	BCOF	0-63	34	19																							
22	DCOL	0-3	1	0																							
															Blanking On		Blanking Off	Power Off									
2170P-2				Blanking On	Blanking Off	Power Off																					
	0	PICO*	0,1	1 *	1 *	0 *																					
	1	RGBS*	0-7	0 *	7 *	0 *																					
	2	BLKB	0-3													3											
	3	RGBL	0-3	2																							
	4	YLMT	0-3	3																							
																Aging On	Aging Off										
	5	AGNG*	0-3	2 *	0 *																						
6	AKBO*	0,1	0 *																								

Offset from V5/V6 480i's data

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A										
2170P-2				Other MS	ATSC i.Link	HDMI	ATSC PT	HDMI PT	Note; PT=Bypass MID (HDPT=0)												
	7	CLPP	0-3									3	3	3	3						
	8	CLPG	0,1									0	0	0	0						
	9	CLPS	0,1									0	0	0	0						
	10	PPAD	0-7									3	3	3	3						
	11	SYNP	0,1									0	0	0	0						
	12	HVBT	0,1	0																	
2170P-3				Vivid	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC			
	480i	480p	1080i				720p	480i	480p	VGA	1080i	720p	480i	480p	1080i			720p			
	0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
	1	VMLV*	0-15		7 *																
	2	VMCR	0-3		1	2	2	0	0	0	2	0	0	0	0	0	3	2	0	0	0
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
	5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3		2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	1
	7	SHF0	0,1		1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
	9	F1LV	0-3		0	0	2	2	1	2	2	2	2	1	2	1	0	2	1	1	2
	10	LTLV	0-3		3	3	3	1	3	3	3	1	1	3	3	3	3	3	1	3	3
	11	LTMD	0,1		1	1	1	0	1	0	1	0	0	1	0	1	1	1	0	1	0
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
	13	UBOF	0-7		0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	14	UCOF	0-7		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63	7	11	15	19	23	27	15	19	19	23	27	23	56	15	19	23	27	
				Standard	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC			
	480i	480p	1080i				720p	480i	480p	VGA	1080i	720p	480i	480p	1080i			720p			
	0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
	1	VMLV*	0-15		7 *																
	2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
	5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3		2	3	2	0	0	1	2	0	0	0	1	0	2	2	0	0	1
	7	SHF0	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
	9	F1LV	0-3		0	0	2	2	1	0	2	2	2	1	0	1	0	2	2	1	0
	10	LTLV	0-3		2	2	2	3	3	1	2	3	3	3	1	3	3	2	3	3	1
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
	13	UBOF	0-7		2	2	2	2	1	1	2	2	2	1	1	1	1	2	2	1	1
14	UCOF	0-7	1		1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	
15	UHOF	0-3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	MIDE	0-63	5	10	14	18	22	26	14	18	18	22	26	22	55	14	18	22	26		

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A												
2170P-3				Movie	RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC						
	0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3		
	1	VMLV*	0-15		7 *																		
	2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0			
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0		
	5	VMDL	0-15		5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15		
	6	SHOF	0-3		1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1		
	7	SHF0	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3		
	9	F1LV	0-3		0	0	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0		
	10	LTLV	0-3		1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1		
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	12	CTLV	0-3		0	0	0	0	2	2	0	0	0	2	2	2	0	0	0	2	2		
	13	UBOF	0-7		0	0	2	2	0	0	2	2	2	0	0	0	0	2	2	0	0		
	14	UCOF	0-7		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0		
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	16	MIDE	0-63		3	9	13	17	21	25	13	17	17	21	25	21	54	13	17	21	25		
					Pro	RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC					
	0	SYSM	0-3	1		1	2	2	3	3	2	2	2	3	3	3	2	2	2	3	3		
	1	VMLV*	0-15	7 *																			
	2	VMCR	0-3	1		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0		
	3	VMLM	0-3	3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	4	VMF0	0-3	1		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	5	VMDL	0-15	5		5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15		
	6	SHOF	0-3	1		1	2	0	3	1	2	0	0	3	1	2	1	2	0	3	1		
	7	SHF0	0,1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	8	PROV	0-3	0		0	3	0	3	3	0	0	0	3	3	3	3	3	0	3	3		
	9	F1LV	0-3	0		0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	0		
	10	LTLV	0-3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	11	LTMD	0,1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	12	CTLV	0-3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	13	UBOF	0-7	2		0	2	1	1	1	2	1	2	1	1	1	2	2	1	1	1		
	14	UCOF	0-7	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	15	UHOF	0-3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	16	MIDE	0-63	0		8	12	16	20	24	12	16	16	20	24	20	53	12	16	20	24		
				Vivid				Standard	Movie	Pro													
	17	VM	0-3	3				3	1	0													
	18	VMH	0-15	15				15	12	12													
	19	VMM	0-15	8				8	8	8													
	20	VML	0-15	4				4	4	4													
	21	VGAP	0-15	5																			
	22	VGAS	0-15	5																			
	23	VGAB	0-15	5																			
	24	VGAC	0-15	5																			
	25	VGAV	0-15	5																			

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A										
2170P-4				MS	Other																
	0	YCON	0,1	1	1																
				DRC	VDO (V5/V6)	VDO (HDMI)	MS / ATSC	PT	Note: PT = Pass Through (By pass MID)												
	1	SPIC	0-15	7	7	7	7	7													
	2	SCOL	0-63	32	32	32	32	32													
	3	SHUE	0-63	30	30	30	30	30													
	4	SPIO	0-15	4																	
	5	SCLO	0-15	9																	
	6	SHUO	0-15	7																	
				Vivid	Standard	Movie	Pro														
	7	UPIC	0-63	63	48	39	31														
	8	UBRT	0-63	31	31	31	31														
	9	UCOL	0-63	35	31	31	31														
	10	UHUE	0-63	31	31	31	31														
	11	USHP	0-63	24	29	31	31														
	12	UTMP	0-3	2	1	0	1														
				Normal	Special Axis																
	13	RYP	0-15	8	15																
	14	RYB	0-15	9	15																
	15	GYR	0-15	9	9																
	16	GYB	0-15	6	3																
					RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC				
							480i	480p	1080i	720p	480i	480p	VGA	1080i	720p			480i	480p	1080i	720p
	17	GAMM	0-3	Vivid	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
				Standard	1	1	1	2	1	2	1	1	2	1	1	1	2	1	1	1	1
				Movie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				GAMM = 0	GAMM = 1	GAMM = 2	GAMM = 3	Note: Settings based on GAMM data													
	18	GAMS	0-15	0	8	8	8														
	19	GAMR	0-15	0	4	6	12														
	20	GAMG	0-15	0	4	6	12														
	21	GAMB	0-15	0	4	6	12														
					RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC				
							480i	480p	1080i	720p	480i	480p	VGA	1080i	720p			480i	480p	1080i	720p
	22	BLK	0-3	Vivid	3	3	3	3	3	3	3	3	3	3	3	3	0	3	3	3	3
				Standard	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	2
				Movie	0	0	1	0	1	0	1	0	0	1	0	1	0	1	0	3	1
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				BLK = 0	BLK = 1	BLK = 2	BLK = 3	Note: Settings based on BLK data													
23	DCTR	0-15	0	1	7	12															
24	APED	0-3	0	0	1	2															
25	DSBO	0-15	7	7	7	7															
26	IDSW*	0-7	0*																		
			BLK = 0	BLK = 1	BLK = 2	BLK = 3	Note: Settings based on BLK data														
27	ABLM	0-3	0	1	0	1															

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
2170P-4				Single		Others						
				Others	MS 1080Vcom VGA							
	28	ABLT	0-15	0	7							7
	29	SPOF	0-31	0								
				BLK = 0		BLK = 1	BLK = 2	BLK = 3	Note: Settings based on BLK data			
	30	DPSQ	0,1	1	0	1	1					
	31	LRGB	0-15	3								
CXA2171				V5/V6/ATSC 1080i/720p	HDMI uTiny/\$6D_00 Byte1/Bit6=1	HDMI uTiny/\$6D_00 Byte1/Bit6=0	Others					
	0	MTRX*	0-3								1 *	1 *
				PT		Others	HDMI	Note: PT = Pass Through				
	1	GAIN	0-3	0	0	0						
				V5 480p/720p/1080i/No Sync	V6 480p/720p/1080i/No Sync	HDMI 480p/720p/1080i/No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others			
	2	FIXS	0-3	3	3	3	2	3	1			
				PT	Others	HDMI						
	3	CBGN	0-15	8	5	3						
	4	CRGN	0-15	8	4	3						
	5	YGN	0-15	8	4	3						
				V5/V6-1080i/MS	HDMI 1080i	Other						
	6	VTC	0-3	0	0	0						
				Tristate=1		Tristate=0						
	7	HTC*	0,1	0 *	1 *							
				V5/V6-1080i/MS	HDMI 1080i	Other						
	8	HWID	0-3	1	1	1						
	9	HSEP	0,1	1	1	1						
				V5&6/DVI/MS 1080i	Others							
	10	HMSK*	0,1	0 *	1 *							
				V5 480p/720p/1080i/No Sync	V6 480p/720p/1080i/No Sync							HDMI 480p/720p/1080i/No Sync
	11	FRGB	0,1	0	0	0	0	0	0			
				ATSC 720p/1080i		Others						
	12	HYSW	0,1	1	0							

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
AUDIO	0	ASYS	0,1	0									
	1	TRCV	0-3	2									
	2	BACV	0-3	0									
	3	MDCV	0-3	2									
	4	SVHI	0-7	4									
	5	SVLO	0-7	4									
	6	MIDL	0-15	10									
	7	LOFQ	0-7	0									
	8	SBAS	0-15	8									
	9	MIDT	0-15	none									
	10	STRE	0-15	10									
	11	TRFQ	0-15	none									
	12	PSEF	0-15	5									
	13	AGCL	0-15	9									
					TruSurround	Simulated	SteadySound	Off					
	14	BBE	0,1	1	1	1	1	1					
	15	BBEP	0-7	6	6	6	6	6					
	16	BBEL	0-7	3	3	3	3	3					
	17	BB2P	0-7	6	6	6	6	6					
	18	BB2L	0-7	3	3	3	3	3					
	19	TRS1	0-7	4									
	20	TRS2	0-7	2									
SNNR	0	MODE	0-3	0									
	1	SNNR	0-7	0									
					WSLT- A	WSLT- B	WSLT- C	WSLT- D	WSLT- E	WSLT- F	WSLT- G		
	2	WSLT	0-255	15	31	45	63	85	110	127			
					SNNR = 0	SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7	
	3	CPFG	0-15	0	0	1	1	2	2	2	3		
	4	CPFT	0-3	0	0	0	0	0	0	0	0		
	5	CCOR	0-3	0	0	1	1	1	1	1	1		
	6	CHCG	0,1	0	1	1	1	1	1	1	1		
	7	CAPG	0-7	0	0	0	0	0	0	0	0		
	8	3SHP	0-15	0	0	1	1	2	2	2	3		
	9	NYNR	0-15	0	1	2	2	3	3	4	4		
	10	NCNR	0-15	0	1	2	2	3	3	4	4		
	11	NYMG	0-3	0	0	0	0	0	0	0	0		
	12	NCMG	0-3	0	0	0	0	0	0	0	0		
	13	NYLT	0-15	0	1	1	2	3	4	6	8		
	14	NYNC	0-15	0	0	2	2	3	3	4	4		
	15	NYCO	0,1	0	0	1	1	1	1	1	1		
	16	7SHP	0-63	0	0	1	1	3	3	3	4		
	17	7YF1	0-3	0	0	1	1	2	2	2	3		
	18	7LTI	0-3	0	0	0	0	0	0	0	0		
	19	7CTI	0-3	0	0	0	0	0	0	0	0		
	20	7VML	0-15	0	0	0	0	0	0	0	0		
	21	7VMC	0-3	0	0	1	1	2	2	2	3		
	22	MIDD	0-63	0	0	1	1	2	2	2	3		

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
CCD	0	HPRM	0-255	60							
	1	HPRS	0-255	60							
	2	YSYM	0,1	0							
	3	CCDI	0-7	3							
	4	CRIP	0-7	4							
	5	PHLD	0,1	0							
	6	CHMK	0-63	54							
	7	LANG*	0-15	0 *							
	8	DATA	0,1	0							
	9	VCHP	0,1	0							
	10	CLMP	0,1	0							
	11	SYSV	0-7	4							
	12	ID1	0,1	1							
	13	ID1M*	0-7	1 *							
	14	FPOL	0,1	0							
	15	BWHT	0,1	0							
	16	MESH	0,1	0							
	17	BNBB	0-3	1							
	18	BNBG	0-3	1							
	19	BNBR	0-3	0							
	20	CMP1	0-7	2							
	21	CMP2	0-7	5							
	22	CMP3	0-7	3							
	23	CWHT	0-7	3							
	24	VSDW	0,1	1							
	25	BFRQ	0,1	0							
	26	BPOS	0,1	0							
	27	BFRM	0,1	1							
	28	BTIM	0,1	0							
3DNR	0	WHCT	0-63	44							
	1	NIQM	0,1	1							
	2	CLPW	0-63	30							
	3	CLPP	0-255	80							
	4	YHBW	0-255	138							
	5	YBKL	0-15	0							
	6	YBKO	0,1	0							
	7	MUTE	0,1	0							
	8	YHBS	0-127	40							
	9	CHBW	0-255	138							
	10	CBKO	0-127	40							
	11	CHBO	0,1	0							
	12	VHBL	0-15	0							
	13	UHBL	0-15	0							
	14	UVDL	0-7	0							
	15	YDL	0-7	0							
	16	PVDI	0,1	0							
	17	PHDI	0,1	0							
	18	HDW	0-63	16							
	19	PVDO	0,1	0							
	20	PHDO	0,1	0							
	21	HST	0-255	54							
	22	VDL	0-15	0							
	23	VDW	0-15	3							
	24	NDET	0-15	0							
	25	NVP	0-15	2							
	26	NDTS	0-3	3							
	27	HROF	0,1	0							
	28	NDGW	0-15	9							
	29	UOFS	0-7	1							

KD-34XBR960 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
3DNR	30	POT	0-3	0									
	31	UVF	0,1	0									
	32	APC	0,1	1									
	33	DAP	0,1	0									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	34	YLV	0-15	15	15	10	10	10	10	8	8		
	35	YST	0,1	0									
	36	YNT	0,1	1									
	37	YPL	0,1	1									
	38	YMV	0,1	0									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	39	YCR	0-31	3	3	3	3	3	3	3	3		
	40	VOS	0-7	1									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	41	YMG	0-3	3	1	3	3	3	3	3	3		
	42	YEG	0,1	0									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	43	YEL	0-15	6	4	6	6	6	6	6	6		
	44	YLM	0-127	6	6	6	6	6	6	6	6		
	45	CLV	0-15	15	15	10	10	10	10	8	8		
	46	CNT	0,1	1									
	47	CPL	0,1	1									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	48	CMG	0-3	3	3	3	3	3	3	3	3		
	49	CCR	0-31	3	3	3	3	3	3	3	3		
	50	CLM	0-127	6	6	6	6	6	6	6	6		
	51	NVSL	0-255	20									
	52	NVSH	0,1	1									
	53	NHS	0-127	16									
	54	NVEL	0-255	244									
	55	NVEH	0,1	0									
	56	NHE	0-127	120									
				Vivid		Standard		Movie		Pro			
				480i	Others	480i	Others	480i	Others	480i	Others		
	57	YNG	0-3	3	3	3	3	3	3	3	3		
	58	COR	0,1	0	0	0	0	0	0	0	0		
	59	LPF	0,1	0	0	0	0	0	0	0	0		
60	YLT	0-15	6	6	6	6	6	6	6	6			
61	YNC	0-15	8	8	8	8	8	8	8	8			
62	YCO	0,1	0	1	0	0	0	0	0	0			
63	ADTH	0,1	0										



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Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
DRCV	0	MFVR	0,1	0							
	1	ISEL	0,1	1							
	2	ORES	0-255		RF	CV/YC	V5/V6-480i	HDMI	ATSC		
				Vivid	128	128	128	128	128		
				Standard	128	128	128	128	128		
				Movie	128	128	133	133	133		
				Pro	128	128	133	133	133		
	3	ONCT	0-255		RF	CV/YC	V5/V6-480i	HDMI	ATSC		
				Vivid	128	128	128	128	128		
				Standard	128	128	128	128	128		
				Movie	128	128	128	128	128		
				Pro	128	128	128	128	128		
				Custom 1	Custom 2	Custom 3	No service list, only NVM data in user				
	4	AINI	0-127	0	49	79					
	5	BINI	0-127	24	54	89					
	6	FMAT	0,1	0							
	7	FMTH	0-3	RF	Others						
				1	1						
	8	FSEL	0,1	1							
	9	CDLY	0-3	2							
	10	LMIT	0,1	0							
	11	LMLV	0-3	Vivid	Standard	Movie	Pro				
				2	2	2	2				
	12	LMSL	0,1	1							
13	VDLY	0-3	1								
14	VDPR	0-3	3								
15	WPLL	0-3	2								
16	CRCT	0,1	0								
			SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7		
17	NRA	0-255	0	0	0	0	0	0	0		
18	NRB	0-255	128	128	128	128	128	128	128		

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
OP	0	DLY1	0-31	4								
	1	DLY2	0-31	12								
	2	DLY3	0-15	7								
	3	OSDH	0-255	17								
				Vivid	Standard	Movie	Pro	Expansion Zoom or Zoom-H	Note:			
	4	HDPT	0,1	1	1	1	1	1	HDPT=0 Bypass MID			
	5	AACK*	0-3	2 *								
	6	DINI*	0,1	0 *								
7	RAMW*	0-3	0 *									

KD-34XBR960 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170D-1	0	VPOS	V Position	0-63	26							
	1	VSIZ	V Size	0-63	39							
					1080Full	Others	Note: Used for PJ only					
	2	VSZO	V Size Offset	0-63	0	0						
					WideZoom	Others						
	3	VLIN		0-15	7	7						
	4	VSCO		0-15	10	7						
	5	VCEN		0-63	19							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V						
	6	VPIN		0-31	15	15						
	7	MVPN		0-3	0							
	8	NSCO		0-63	31							
	9	HTPZ		0-31	15							
	10	MHTZ		0-3	0							
					WideZoom	Zoom	Others	Expansion Zoom or Zoom-V				
	11	ZOOM		0,1	1	1	0	1				
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
	12	APSW		0,1	1	1	1	0	0	1	1	None
	13	ASPT		0-63	22	43	3	0	47	3	43	None
	14	SCRL		0-63	31	31	31	31	31	31	31	None
					WideZoom	Others	Note: Data variation for 16x9//4x3 models					
	15	UVLN		0-15	4	0						
16	LVLN		0-15	4	0							
2170D-2	0	HCNT		0-63	31							
					1080Full 1080Vcomp	Others						
	1	HPOS		0-63	29	31						
					WideZoom	Others	Note: Different settings used for KV-34/30XBR910 models					
	2	HSIZ		0-63	56	50						
	3	SLIN		0-15	10	4						
	4	MPIN		0-15	11	10						
					WideZoom	Others	1080i					
	5	PIN		0-63	18	12	12					
					WideZoom	Zoom	480Full	1080Full	1080Vcomp 480Vcomp			
6	PINO		0-15	7	7	7	9	7				
				WideZoom	Others	1080i						
7	UCP		0-63	38	35	35						
8	LCP		0-63	38	35	35						

KD-34XBR960 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
2170D-2					Others	1080i							
	9	UXCG		0-3	0	0							
	10	LXCG		0-3	0	0							
	11	UXCP		0-3	2	2							
	12	LXCP		0-3	2	2							
	13	XCPP		0,1	0	0							
					WideZoom	Others							
	14	PPHA		0-63	21	21							
	15	VANG		0-63	31								
	16	LANG		0-63	31								
	17	VBOW		0-63	31								
	18	LBOW		0-63	31								
2170D-3	0	HBLK		0,1	1								
					1080Full 1080Vcomp	Others							
	1	LBLK		0-63	50	51							
	2	RBLK		0-63	31	27							
					WideZoom	Zoom	480Full 1080Full	480Vcomp 1080Vcomp	Expansion Zoom or Zoom-V	<b>Note:</b> Data variation for 16x9//4x3 models			
	3	VBLK		0,1	0	0	1	1	0				
											HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp			
	4	TBLK		0-15	12	7	2	4	10	2	7	None	
	5	BBLK		0-15	15	7	8	6	13	8	7	None	
					1080Full 1080Vcomp	Others	<b>Note:</b> Data variation for 16x9//4x3 models						
	6	AFCM		0-3	2	3							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V	<b>Note:</b> Data variation for 16x9//4x3 models						
	7	JUMP		0,1	0	0							
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
	8	VDJP		0,1	1	1	0	1	1	1		None	
					1080Vcomp 1080Full	Others							
	9	VDST		0,1	0	0							
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
10	AKBT		0-31	15	15	20	16	16	15		None		

KD-34XBR960 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170D-4					1080Vcomp 480Vcomp		Note: Different settings used for KV-34/30XBR910 models					
	0	QPAM		0-63	22	Others 22						
	1	QPAV		0-63	41	41						
	2	QPAP		0-15	6	6						
	3	QPDC		0-63	43	43						
	4	QPDV		0-63	55	55						
	5	QPDV		0-15	6	6						
	6	CPY1*		0,1	0 *							
	7	DF		0-63	34							
	8	DQP		0-63	30		Different settings (maybe) for KV-34/30XBR910 models					
2170D-5	0	VFRQ		0-3	1							
	1	VON*		0,1	1 *							
	2	EWDC		0,1	0							
	3	MS15		0,1	0							
	4	HFRQ		0-255	80							
	5	HFRX		0-63	25							
	6	VMPS		0,1	0							
	7	INTR		0,1	0							
	8	VLNL		0-3	0							
	9	VLNH		0-255	0							
	10	AGCS		0,1	0							
D-CONV (CXA8070)	0	YBWU		0-63	31							
	1	YBWL		0-63	31							
	2	RSAP		0-63	31							
	3	RUMB		0-63	31							
	4	RUBW		0-63	31							
	5	RLMB		0-63	31							
	6	RLBW		0-63	31							
	7	LSAP		0-63	31							
	8	LUMB		0-63	31							
	9	LUBW		0-63	31							
	10	LLMB		0-63	31							
	11	LLBW		0-63	31							
	12	CADJ		0-63	23							
	13	HVCA		0-63	63							
	14	SRSP		0-63	63							
	15	SRUM		0-63	31							
	16	SRUB		0-63	63							
	17	SRLM		0-63	31							
	18	SRLB		0-63	63							
	19	SLSP		0-63	57							
	20	SLUM		0-63	31							
	21	SLUB		0-63	63							
	22	SLLM		0-63	31							
	23	SLLB		0-63	63							

KD-34XBR960 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
LANDING	0	LT		0-255	127	<b>Note:</b> Different settings used for KV-34/30XBR910 models								
	1	LB		0-255	127									
	2	RT		0-255	127									
	3	RB		0-255	127									
	4	EWSP		0-15	5									
	5	ENSW		0,1	0									
	6	TESW		0,1	0									
	7	DHMT*		0,1	0 *									
	8	LDVM		0-3	0									
	9	LVSW		0,1	0									
	10	LVPH		0-255	127									
						LDVM = 0		LDVM = 1		LDVM = 2		LDVM = 3		<b>Note:</b> Different settings used for KV-34/30XBR910 models
						Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	
	11	HSZO		0-15	0	0	0	0	0	2	0	2		
	12	SLINO		0-15	0	0	0	0	0	1	0	1		
	13	MPNO		0-15	0	0	0	2	0	5	0	9		
	14	PINO		0-15	0	0	0	2	0	6	0	9		

KD-34XBR960 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
MID1	0	DHPH	d_h_phase	0-255	108								
	1	DVPH	d_v_phase	0-63	20								
	2	DHAR	d_h_area	0-255	240								
	3	DVAR	d_v_area	0-255	135								
	4	DHPW	d_h_pwidth	0-63	55								
	5	DVPW	d_v_pwidth	0-7	5								
						Single		Twin	Freeze	Favorites	Index		
						480i	Others						
	6	DYCD	d_yc_delay	0-63	1	0	2	2	2	2			
						Table-0	Table-1	Table-2	Table-3				
	7	DYSD	d_ys_delay	0-7	7	4	2	1					
						Single				Favorites	Index		
						VGA			Others		Favorites	Index	
						Normal	Others	Normal	Others	VGA	VGA		
	8	MDHP	m_dsp_hpos	0-255	174	72	156	0	40	41			
						Single			Favorites	Index			
						480i/480p	VGA	Others	VGA	VGA			
	9	MDVP	m_dsp_vpos	0-255	30	66	0	34	34				
						Single			Favorites	Index			
						VGA			Others		Favorites	Index	
						Normal	Others	Normal	Others	VGA	VGA		
	10	MDHS	m_dsp_hsiz	0-255	153	204	162	240	155	119			
						Single			Favorites	Index			
						480i/480p	VGA	Others	VGA	VGA			
	11	MDVS	m_dsp_vsiz	0-255	120	102	135	103	103				
						Twin/Freeze		Favorites	Index				
	12	MLHP		0-255	36	31	31						
	13	MLVP		0-255	8	30	30						
						Favorites							
	14	SDHP	s_dsp_hpos	0-255	167								
	15	SDVP	s_dsp_vpos	0-255	5								
	16	SDHS	s_dsp_hsiz	0-255	115								
	17	SDVS	s_dsp_vsiz	0-255	79								
	18	PDHP		0-255	0								
	19	PDVP		0-255	0								
	20	PDHS		0-255	0								
	21	PDVS		0-255	0								
						1080i Single		Others					
	22	DPSW	dsp_pll_sw	0,1	0	0							
	23	MDLO		0-63	12								
						Single			Others				
						Normal	Others	MemoryStick					
	24	BCOL	d_back_y	0-15	0	0	0	0					
	25	DYSS	d_ys_slct	0-3	1								
						Index							
	26	OSDH		0-63	32								
27	OSDV		0-63	16									

KD-34XBR960 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
MID2					Single	480i V5/V6		YC		480i HDMI/ATSC		480i Expand		
						Normal	Others	Normal	Others	Normal	Others	Normal	Others	
	0	DRHP	drc_hactv_pos	0-255		153	120	154	117	145	108	153	224	
	1	DRHS	drc_hactv_siz	0-255		162	180	162	180	162	180	162	125	
	2	DRVP	drc_vactv_pos	0-63		37	37	37	37	37	37	37	37	
	3	DRVS	drc_vactv_siz	0-255		120	120	120	120	120	120	120	120	
					Twin-Left	480i V5/V6	YC	480i HDMI/ATSC	Expansion					
	0	DRHP	drc_hactv_pos	0-255		146	148	140	146					
	1	DRHS	drc_hactv_siz	0-255		164	164	164	164					
	2	DRVP	drc_vactv_pos	0-63		57	57	57	57					
	3	DRVS	drc_vactv_siz	0-255		110	110	110	110					
						Twin-Right	YC							
	0	DRHP	drc_hactv_pos	0-255	153									
	1	DRHS	drc_hactv_siz	0-255	164									
	2	DRVP	drc_vactv_pos	0-63	57									
	3	DRVS	drc_vactv_siz	0-255	110									
					Freeze		480i V5/V6	YC	480i HDMI/ATSC	Expansion				
	0	DRHP	drc_hactv_pos	0-255		153	153	144	153					
	1	DRHS	drc_hactv_siz	0-255		162	162	162	162					
	2	DRVP	drc_vactv_pos	0-63		57	57	57	57					
	3	DRVS	drc_vactv_siz	0-255		110	110	110	110					
						Favorites (Main)	480i V5/V6	YC		480i HDMI/ATSC		Expansion		
					Full		Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp	
	0	DRHP	drc_hactv_pos	0-255	140		140	140	140	132	132	140	140	
	1	DRHS	drc_hactv_siz	0-255	165		165	165	165	165	165	165	165	
	2	DRVP	drc_vactv_pos	0-63	37		57	37	57	37	57	37	57	
	3	DRVS	drc_vactv_siz	0-255	120		110	120	110	120	110	120	110	
					Favorites (Sub)	YC								
	0	DRHP	drc_hactv_pos	0-255		153								
	1	DRHS	drc_hactv_siz	0-255		171								
	2	DRVP	drc_vactv_pos	0-63		28								
	3	DRVS	drc_vactv_siz	0-255		118								
						Index (Main)	480i V5/V6	YC		480i HDMI/ATSC		Expansion		
					Full		Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp	
	0	DRHP	drc_hactv_pos	0-255	140		140	140	140	134	134	140	140	
	1	DRHS	drc_hactv_siz	0-255	165		165	165	165	165	165	165	165	
	2	DRVP	drc_vactv_pos	0-63	37		57	37	57	37	57	37	57	
	3	DRVS	drc_vactv_siz	0-255	120		110	120	110	120	110	120	110	
					Index (Sub)	YC								
	0	DRHP	drc_hactv_pos	0-255		158								
	1	DRHS	drc_hactv_siz	0-255		162								
	2	DRVP	drc_vactv_pos	0-63		57								
	3	DRVS	drc_vactv_siz	0-255		110								

Note: AV-Multi (RGB)=HDMI/ATSC (w/o MS)  
AV-Multi (YPbPr)=Expansion

Note:      AV-Multi (RGB)=HDMI/ATSC (w/o MS)  
             AV-Multi (YPbPr)=Expansion



KD-34XBR960 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A																				
MID3					Single	V5/ V6						HDMI/ATSC				HDMI		Expansion														
						1080i MS	720p	480p		480i		1080i	720p	480p		480i		VGA		1080i	720p	480p		480i								
								Normal	Others	Normal	Others			Normal	Others	Normal	Others	Normal	Others													
	0	VDHP	vdo_hactv_pos	0-255		107	137	200	152	76	56	85	117	200	152	76	56	195	195	245	231	200	255	76	56							
	1	VDHS	vdo_hactv_siz	0-255		240	161	216	240	162	180	240	161	216	240	162	180	229	229	166	109	216	188	162	180							
	2	VDVE	vdo_vactv_evn	0-63	19	24	37	37	17	17	19	24	37	37	17	17	34	34	19	24	37	37	17	17								
	3	VDVS	vdo_vactv_siz	0-255	135	180	120	120	60	60	135	180	120	120	60	60	120	120	135	180	120	120	60	60								
					Twin-Left	V5/ V6						HDMI/ATSC				HDMI	Expansion															
						1080i	720p	480p	480i	1080i	720p	480p	480i	VGA	1080i	720p	480p	480i														
	0	VDHP	vdo_hactv_pos	0-255		141	163	192	71	122	144	192	71	235	141	163	192	71														
	1	VDHS	vdo_hactv_siz	0-255		221	147	219	164	221	147	219	164	209	221	147	219	164														
	2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27														
	3	VDVS	vdo_vactv_siz	0-255	123	165	110	55	123	165	110	55	110	123	165	110	55															
					Twin-Right	YC																										
	0	VDHP	vdo_hactv_pos	0-255		73																										
	1	VDHS	vdo_hactv_siz	0-255		164																										
	2	VDVE	vdo_vactv_evn	0-63		27																										
	3	VDVS	vdo_vactv_siz	0-255		55																										
					Freeze	V5 / V6						HDMI/ATSC				HDMI	Expansion															
						1080i	720p	480p	480i	1080i	720p	480p	480i	VGA	1080i	720p	480p	480i														
	0	VDHP	vdo_hactv_pos	0-255		151	169	200	74	125	150	200	74	235	151	169	200	74														
	1	VDHS	vdo_hactv_siz	0-255		218	145	216	162	218	145	216	162	208	218	145	216	162														
	2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27														
	3	VDVS	vdo_vactv_siz	0-255	123	165	110	55	123	165	110	55	110	123	165	110	55															
					Favorites (Main)	V5/V6						HDMI/ATSC				HDMI		Expansion														
						1080i		720p	480p		480i		1080i		720p	480p		480i		VGA		1080i		720p	480p		480i					
						Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		
	0	VDHP	vdo_hactv_pos	0-255		136	136	158	184	184	68	68	112	112	134	184	184	68	68	195	195	136	136	158	184	184	68	68				
	1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165				
	2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27					
	3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55					
					Favorites (Sub)	YC																										
	0	VDHP	vdo_hactv_pos	0-255		75																										
	1	VDHS	vdo_hactv_siz	0-255		171																										
	2	VDVE	vdo_vactv_evn	0-63		13																										
	3	VDVS	vdo_vactv_siz	0-255		59																										
					Index (Main)	V5/V6						HDMI/ATSC				HDMI		Expansion														
						1080i		720p	480p		480i		1080i		720p	480p		480i		VGA		1080i		720p	480p		480i					
						Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		
	0	VDHP	vdo_hactv_pos	0-255		136	136	158	184	184	68	68	114	114	137	184	184	68	68	195	195	136	136	158	184	184	68	68				
	1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165				
	2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27					
	3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55					
					Index (Sub)	YC																										
	0	VDHP	vdo_hactv_pos	0-255		76																										
	1	VDHS	vdo_hactv_siz	0-255		162																										
2	VDVE	vdo_vactv_evn	0-63	27																												
3	VDVS	vdo_vactv_siz	0-255	55																												
				YC	V5/V6						HDMI/ATSC				HDMI	Expansion																
					480i	1080i/MS	720p	480p	480i	1080i	720p	480p	VGA	480i	1080i	720p	480p															
4	VDVO	vdo_vactv_odd	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
5	VCPO	vdo_clp_pos	0-255		42	42	72	88	122	42	50	88	122	122	42	72	88	122														
6	VCWD	vdo_clp_wdt	0-7		1	1	3	3	3	1	3	3	3	3	1	3	3	3														
7	VYCD	vdo_yc_delay	0-63		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
8	VSTP	vdo_pll_stop	0-255		62	62	133	183	126	62	136	183	126	129	62	136	183	126														
9	VSTT	vdo_pll_strt	0-15		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
10	VHSC	vdo_hsync_cyc	0-255		130	130	130	130	130	130	130	130	130	130	130	130	130	130														
11	VFRV	vdo_fld_rev	0,1		0	0	0	0	0	0	0	0	0	0	0	0	0	0														

KD-34XBR960 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A																	
MID5	0	POP		0-63	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15									
	1	MHLY	m_hlpf_ycoef	0-3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
	2	MHLC	m_hlpf_ccoef	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3								
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	5	MHYR	m_henh_ycore	0-3	0	1	1	1	2	2	3	2	0	0	2	2	0	0	1	2									
	6	MHYL	m_henh_yclip	0-3	0	1	1	1	1	2	2	2	0	1	2	1	1	0	1	1									
	7	MHYE	m_henh_yenh	0-7	0	2	5	5	6	7	7	7	5	2	4	7	2	0	7	7									
	8	MHYO	m_henh_ycof	0,1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1								
	9	MHCR	m_henh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	13	MVYR	m_venh_ycore	0-3	0	0	0	0	1	2	2	2	0	1	1	1	2	0	0	1	2								
	14	MVYL	m_venh_yclip	0-3	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	2									
	15	MVYE	m_venh_yenh	0-7	0	0	0	0	1	1	1	1	0	3	3	3	0	0	4	3									
	16	MVCR	m_venh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	0	POP		0-63	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1								
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3								
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2									
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1									
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	6	7	2	4	5	7	2	0	7	7									
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	0	1									
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0	0								
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0								
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0	0								
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0								
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2									
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2									
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	0	2	4	6	0	0	4	4	0	0	4	3									
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0	0								
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0								
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0	0								
	0	POP		0-63	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47									
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0	0								
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1									
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	7	7	2	4	5	7	7	0	4	7									
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	0	0	0									
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0	1								
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1									
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4									
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1									
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0	0								
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1								
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	1	2	4	6	0	0	4	4	7	1	2	4									
16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1										
17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1										
18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4										

POP	Format
0	RF P
1	snr
2	RF M
3	snr
4	snr
5	RF S
6	snr
7	RF V
8	CV/YC P
9	CV/YC M
10	CV/YC S
11	CV/YC V 2004 DA4
12	V5/V6 480i All 480i P
13	V5/V6 480i All 480i M
14	V5/V6 480i All 480i S
15	V5/V6 480i All 480i V
16	V5/V6 480p All 480p P
17	V5/V6 480p All 480p M
18	V5/V6 480p All 480p S
19	V5/V6 480p All 480p V
20	V5/V6 1080i All 1080i P
21	V5/V6 1080i All 1080i M
22	V5/V6 1080i All 1080i S
23	V5/V6 1080i All 1080i V
24	V5/V6 720p All 720p P
25	V5/V6 720p All 720p M
26	V5/V6 720p All 720p S
27	V5/V6 720p All 720p V
28	HDMI 480i not assigned
29	HDMI 480i not assigned
30	HDMI 480i not assigned
31	HDMI 480i not assigned
32	HDMI 480p not assigned
33	HDMI 480p not assigned
34	HDMI 480p not assigned
35	HDMI 480p not assigned
36	HDMI 1080i not assigned
37	HDMI 1080i not assigned
38	HDMI 1080i not assigned
39	HDMI 1080i not assigned
40	HDMI 720p not assigned
41	HDMI 720p not assigned
42	HDMI 720p not assigned
43	HDMI 720p not assigned
44	Memory Stick not assigned
45	Memory Stick not assigned
46	Memory Stick not assigned
47	Memory Stick not assigned
48	HDMI 480i not assigned
49	HDMI 480i not assigned
50	HDMI 480i not assigned
51	HDMI 480i not assigned
52	HDMI 480p not assigned
53	HDMI 480p not assigned
54	HDMI 480p not assigned
55	HDMI 480p not assigned
56	HDMI 1080i not assigned
57	HDMI 1080i not assigned
58	HDMI 1080i not assigned
59	HDMI 1080i not assigned

KD-34XBR960 SERVICE DATA ONLY      MID

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A									
MID5	0	POP		0-63	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
	1	MHLY	m_hlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	7	MHYE	m_henh_yenh	0-7	7	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0
	8	MHYO	m_henh_ycof	0,1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	MHCR	m_henh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	15	MVYE	m_venh_yenh	0-7	6	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0
	16	MVCR	m_venh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
					Memory Stick															
	19	SHLY	s_hlpf_ycoef	0-7	0															
	20	SHLC	s_hlpf_ccoef	0-7	0															
	21	SVLY	s_vlpf_ycoef	0-7	0															
	22	SVLC	s_vlpf_ccoef	0-7	0															
	23	SHYR	s_henh_ycore	0-3	0															
	24	SHYL	s_henh_yclip	0-3	0															
	25	SHYE	s_henh_yenh	0-7	0															
	26	SHYO	s_henh_ycof	0,1	0															
	27	SHCR	s_henh_ccore	0-3	0															
	28	SHCL	s_henh_cclip	0-3	0															
	29	SHCE	s_henh_cenh	0-7	0															
	30	SHCO	s_henh_ccof	0,1	0															
	31	SVYR	s_venh_ycore	0-3	0															
	32	SVYL	s_venh_yclip	0-3	0															
	33	SVYE	s_venh_yenh	0-7	0															
	34	SVCR	s_venh_ccore	0-3	0															
	35	SVCL	s_venh_cclip	0-3	0															
	36	SVCE	s_venh_cenh	0-7	0															
CXA3506R					480i	Others														
	0	MCON		0,1	64	64														
	1	SCOR		0-255	128	128														
	2	SCOG		0-255	128	128														
	3	SCOB		0-255	128	128														
	4	RGB		0-255	0	0														

60HDMI720pnot assigned

61HDMI720pnot assigned

62HDMI720pnot assigned

63HDMI720pnot assigned

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range	* NOT be memorized			Fix data		Adjustment data at CBA			Adjustment data at F/A							
VERSION	0	VER*	0,1	0 *															
	1	DMY1*	0-255	0 *															
3D-COMB	0	NRMD*	0-3	0 *		<b>Note:</b> Item* uses the fixed setting in normal TV operations. {Its setting can be changed for testing in Servcie mode only. But the change will not be memorized after leaving Service mode.}													
	1	CLKS	0-3	1															
	2	NSDS*	0-3	0 *															
	3	MSS*	0-3	0 *															
	4	KILS*	0-3	1 *															
	5	FRZE*	0,1	0 *															
	6	EXCS	0-3	1															
	7	CDL	0-7	3															
				NRMD = 0		NRMD = 1		NRMD = 2		NRMD = 3									
	8	DYCO	0-15	2		2		2		2									
	9	DYGA	0-15	10		10		10		10									
	10	DCCO	0-15	5		5		5		5									
	11	DCGA	0-15	5		5		5		5									
	12	WSC	0-2	1															
	13	WSS	0,1	0															
				Vivid		Standard		Movie		Pro									
	14	VAPG	0-7	4		2		2		0									
	15	VAPI	0-31	4		4		4		0									
	16	TEST*	0,1	0 *															
				Vivid		Standard		Movie		Pro		Twin							
				RF		CV/YC		RF		CV/YC		RF		CV/YC		Twin			
	17	YPFT	0-3	3		3		3		3		3		3		3			
	18	YPFG	0-15	9		6		7		5		5		6		5		6	
	19	SEDC	0,1	0															
	20	SEDY	0,1	1															
	21	YHCO	0-3	1															
	22	YHCG	0,1	0															
	23	SYSP	0-3	0															
	24	TES2*	0-7	0 *															

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A			
2103-1				V5/V6/ATSC	Others	HDMI								
	0	YLEV	0-62	20	20	16								
	1	CLEV	0-63	25	17	17								
				RF	CV/YC									
	2	SCON	0-15	8	7									
	3	SCOL	0-15	4	5									
	4	SHUE	0-15	7	8									
	5	YDLY	0-3	0	0									
				RF	CV/YC	V5/V6						HDMI	ATSC	
	6	SHAP	0-15	9	8	4						4	8	
	7	SHF0	0-3	0	0	3						3	0	
	8	PRE0	0-3	3	3	3						3	3	
	9	BPFO	0-3	3										
	10	BPFO	0-3	2										
				RF	CV/YC									
	11	BPSW	0,1	1	0									
	12	TRAP	0,1	0										
	13	LPF	0,1	1										
				RF	CV/YC	Others								
	14	AFCG	0,1	1	0	0								
	15	CDMD	0-3	3	3	3								
	16	SSMD	0-3	0	0	0								
				RF	CV/YC	V5/V6						HDMI	ATSC	
	17	HMSK	0,1	0	1	1						1	0	
	18	HALI	0,1	0										
				RF	CV/YC	V5/V6						HDMI	ATSC	
	19	PPHA	0-15	7	7	7						7	7	
				V5/V6	ATSC	Others								
	20	CBO1	0-63	31	31	31								
	21	CRO1	0-63	31	31	31								
				HDMI/ATSC										
	22	CBO2	0-63	31										
	23	CRO2	0-63	31										
				Single	BLK = 0	BLK = 1						BLK = 2	BLK = 3	Notes:
	24	ATPD	0-3	0	1	1						2	0	Settings applied to CXA2103 (M&S)
	25	DCTR	0-3	0	2	1						3	0	Settings also based on 2170P-4/BLK data

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2103-2				DRC	VDO						
	0	YLEV	0-63	0	0						
	1	CLEV	0-63	0	0						
				RF	CV/YC						
	2	SCON	0-15	0	6						
	3	SCOL	0-15	0	8						
	4	SHUE	0-15	0	8						
	5	YDLY	0-3	0	0						
	6	SHAP	0-15	0	8						
	7	SHF0	0-3	0	0						
	8	PREO	0-3	0	3						
	9	BPF0	0-3	3							
	10	BPFQ	0-3	0							
				RF	CV/YC						
	11	BPSW	0,1	0	0						
	12	TRAP	0,1	0							
				DRC	VDO						
	13	LPF	0,1	0	0						
				RF	CV/YC						
	14	AFCG	0, 1	0	0						
	15	CDMD	0-3	0	3						
	16	SSMD	0-3	0	0						
	17	HMSK	0,1	0	1						
	18	HALI	0,1	0							
				RF	CV/YC						
	19	PPHA	0-15	0	7						
	20	CBO1	0-63	37							
	21	CRO1	0-63	33							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A												
2170P-1				DRC		HDMI	ATSC	V5/V6	PT														
				CV/YC	480i																		
	0	YOSW	0,1	1	0											0	0	0	1				
	1	TCOF*	0,1	0 *																			
				DRC	V5&6					HDMI				MS / ATSC									
				RF/CV/YC	480i	480p	720p	1080i	480i	480p VGA	720p	1080i	480i	480p	720p	1080i							
	2	YOF	0-15	0	15	13	13	12	13	15	13	15	15	15	10	10							
	3	CBOF	0-63	31	31	44	47	45	31	42	45	45	31	43	45	44							
	4	CROF	0-63	31	31	42	46	45	31	41	46	47	31	42	47	47							
				1080i PT																			
	5	CBOP	0-63	36																			
	6	CROP	0-63	37																			
				Color Temp Neutral																			
	7	SBRT	0-63	24																			
	8	RDRV	0-63	32																			
	9	GDRV	0-63	22																			
	10	BDRV	0-63	20																			
	11	RCUT	0-63	32																			
	12	GCUT	0-63	16																			
	13	BCUT	0-63	22																			
				Color Temp		<div>Note: The WBSW setting in Warm can be memorized in NVM.</div>																	
				Cool	Warm																		
	14	WBSW	0,1	0	0																		
	15	SBOF	0-15	7	7																		
	16	RDOF	0-63	31	31																		
	17	GDOF	0-63	31	26																		
	18	BDOF	0-63	34	16																		
	19	RCOF	0-63	31	31																		
	20	GCOF	0-63	31	27																		
	21	BCOF	0-63	34	19																		
22	DCOL	0-3	1	0																			
2170P-2				Blanking On	Blanking Off	Power Off																	
	0	PICO*	0,1	1 *	1 *	0 *																	
	1	RGBS*	0-7	0 *	7 *	0 *																	
	2	BLKB	0-3	3																			
	3	RGBL	0-3	2																			
	4	YLMT	0-3	3																			
				Aging On	Aging Off																		
	5	AGNG*	0-3	2 *	0 *																		
	6	AKBO*	0,1	0 *		<div>Note; PT=Bypass MID (HDPT=0)</div>																	
				Other MS	ATSC i.Link								HDMI	ATSC PT	HDMI PT								
	7	CLPP	0-3	3	3								3	3	3								
	8	CLPG	0,1	0	0								0	0	0								
	9	CLPS	0,1	0	0								0	0	0								
	10	PPAD	0-7	3	3								3	3	3								
	11	SYNP	0,1	0	0								0	0	0								
12	HVBT	0,1	0																				

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A										
2170P-3				Vivid	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC			
					480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	480i	480p			1080i	720p		
	0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3
	1	VMLV*	0-15		7 *																
	2	VMCR	0-3		1	2	2	0	0	2	0	0	0	0	0	3	2	0	0	0	
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0
	5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15
	6	SHOF	0-3		2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	1
	7	SHF0	0,1		1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3
	9	F1LV	0-3		0	0	2	2	1	2	2	2	2	1	2	1	0	2	1	1	2
	10	LTLV	0-3		3	3	3	1	3	3	3	1	1	3	3	3	3	3	1	3	3
	11	LTMD	0,1		1	1	1	0	1	0	1	0	0	1	0	1	1	1	0	1	0
	12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3
	13	UBOF	0-7		0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	14	UCOF	0-7		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	MIDE	0-63		7	11	15	19	23	27	15	19	19	23	27	23	56	15	19	23	27
			Standard	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC				
				480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	480i	480p			1080i	720p			
0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3	
1	VMLV*	0-15		7 *																	
2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0	
5	VMDL	0-15		7	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15	
6	SHOF	0-3		2	3	2	0	0	1	2	0	0	0	1	0	2	2	0	0	1	
7	SHF0	0, 1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3	
9	F1LV	0-3		0	0	2	2	1	0	2	2	2	1	0	1	0	2	2	1	0	
10	LTLV	0-3		2	2	2	3	3	1	2	3	3	3	1	3	3	2	3	3	1	
11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	CTLV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	0	0	0	3	3	
13	UBOF	0-7		2	2	2	2	1	1	2	2	2	1	1	1	1	2	2	1	1	
14	UCOF	0-7		1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	
15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	MIDE	0-63		5	10	14	18	22	26	14	18	18	22	26	22	55	14	18	22	26	
			Movie	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC				
				480i	480p	1080i	720p	480i	480p	VGA	1080i	720p	480i	480p			1080i	720p			
0	SYSM	0-3		1	1	1	2	3	3	1	2	2	3	3	3	2	1	2	3	3	
1	VMLV*	0-15		7 *																	
2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
4	VMF0	0-3		1	1	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0	
5	VMDL	0-15		5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15	
6	SHOF	0-3		1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1	
7	SHF0	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	PROV	0-3		0	0	0	0	3	3	0	0	0	3	3	3	3	0	0	3	3	
9	F1LV	0-3		0	0	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0	
10	LTLV	0-3		1	1	1	2	1	1	1	2	2	1	1	1	1	1	2	1	1	
11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	CTLV	0-3		0	0	0	0	2	2	0	0	0	2	2	2	0	0	0	2	2	
13	UBOF	0-7		0	0	2	2	0	0	2	2	2	0	0	0	0	2	2	0	0	
14	UCOF	0-7		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	MIDE	0-63		3	9	13	17	21	25	13	17	17	21	25	21	54	13	17	21	25	



KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		* NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A																			
2170P-3				Pro	RF	CV/YC	V5/V6				HDMI					MS	Twin	ATSC												
	0	SYSM	0-3		1	1	2	2	3	3	2	2	2	3	3			3	2	2	3	3	2	2	3	3				
	1	VMLV*	0-15		7 *																									
	2	VMCR	0-3		1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0				
	3	VMLM	0-3		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	4	VMF0	0-3		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	5	VMDL	0-15		5	5	7	7	15	15	7	7	7	15	15	15	7	7	7	15	15	15	7	7	7	15	15			
	6	SHOF	0-3		1	1	2	0	3	1	2	0	0	3	1	2	1	2	0	3	1	2	1	2	0	3	1			
	7	SHF0	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	8	PROV	0-3		0	0	3	0	3	3	3	0	0	3	3	3	3	3	0	3	3	3	3	0	3	3	3			
	9	F1LV	0-3		0	0	0	1	1	0	0	1	1	1	0	0	0	0	1	1	0	0	0	1	1	0	0			
	10	LTLV	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	11	LTMD	0,1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	12	CTLV	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	13	UBOF	0-7		2	0	2	1	1	1	2	1	2	1	1	1	2	2	1	1	1	2	2	1	1	1	1			
	14	UCOF	0-7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	15	UHOF	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	16	MIDE	0-63		0	8	12	16	20	24	12	16	16	20	24	20	53	12	16	20	24									
					Vivid	Standard	Movie	Pro																						
	17	VM	0-3	3	3	1	0																							
	18	VMH	0-15	15	15	12	12																							
	19	VMM	0-15	8	8	8	8																							
	20	VML	0-15	4	4	4	4																							
	21	VGAP	0-15	5																										
	22	VGAS	0-15	5																										
	23	VGAB	0-15	5																										
	24	VGAC	0-15	5																										
	25	VGAV	0-15	5																										

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Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A										
2170P-4				MS	Other																
	0	YCON	0,1	1	1																
				DRC	VDO (V5/V6)	VDO (HDMI)	MS / ATSC	PT	<b>Note:</b> PT = Pass Through (By pass MID)												
	1	SPIC	0-15	7	7	7	7	7													
	2	SCOL	0-63	32	32	32	32	31													
	3	SHUE	0-63	30	30	30	30	31													
	4	SPIO	0-15	4																	
	5	SCLO	0-15	9																	
	6	SHUO	0-15	7																	
				Vivid	Standard	Movie	Pro														
	7	UPIC	0-63	63	48	39	31														
	8	UBRT	0-63	31	31	31	31														
	9	UCOL	0-63	35	31	31	31														
	10	UHUE	0-63	31	31	31	31														
	11	USHP	0-63	24	29	31	31														
	12	UTMP	0-3	2	1	0	1														
				Normal	Special Axis																
	13	RYR	0-15	8	15																
	14	RYB	0-15	9	15																
	15	GYR	0-15	9	9																
	16	GYB	0-15	6	3																
					RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC				
							480i	480p	1080i	720p	480i	480p	VGA	1080i	720p			480i	480p	1080i	720p
	17	GAMM	0-3	Vivid	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
				Standard	1	1	1	2	1	2	1	1	2	1	1	1	2	1	1	1	
				Movie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				GAMM = 0	GAMM = 1	GAMM = 2	GAMM = 3	<b>Note:</b> Settings based on GAMM data													
	18	GAMS	0-15	0	8	8	8														
	19	GAMR	0-15	0	4	8	12														
	20	GAMG	0-15	0	4	8	12														
	21	GAMB	0-15	0	4	8	12														
					RF	CV/YC	V5/V6				HDMI				MS	Twin	ATSC				
							480i	480p	1080i	720p	480i	480p	VGA	1080i	720p			480i	480p	1080i	720p
	22	BLK	0-3	Vivid	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
				Standard	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
				Movie	0	0	1	0	1	0	1	0	0	1	0	1	0	3	1		
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				BLK = 0	BLK = 1	BLK = 2	BLK = 3	<b>Note:</b> Settings based on BLK data													
	23	DCTR	0-15	0	1	7	12														
	24	APED	0-3	0	0	1	2														
	25	DSBO	0-15	7	7	7	7														
26	IDSW*	0-7	0*																		

Those data of 34XBR also should be "8".

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170P-4				BLK = 0	BLK = 1	BLK = 2	BLK = 3	Note: Settings based on BLK data			
	27	ABLM	0-3	0	1	0	1				
				Single			Others				
				Others	MS 1080Vcom VGA						
	28	ABLT	0-15	0	7	7					
	29	SPOF	0-31	0							
				BLK = 0	BLK = 1	BLK = 2	BLK = 3	Note: Settings based on BLK data			
	30	DPSQ	0,1	1	0	1	1				
	31	LRGB	0-15	3							
CXA2171				V5/V6/ATSC 1080i/720p	HDMI uTiny/\$6D_00 Byte1/Bit6=1	HDMI uTiny/\$6D_00 Byte1/Bit6=0	Others				
	0	MTRX*	0-3					1 *	1 *	0 *	0 *
				PT	Others	HDMI					
	1	GAIN	0-3	0	0	0	Note: PT = Pass Through				
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others		
	2	FIXS	0-3	3	3	3	2	3	1		
				PT	Others	HDMI					
	3	CBGN	0-15	8	5	3					
	4	CRGN	0-15	8	4	3					
	5	YGN	0-15	8	4	3					
				V5/V6-1080i/MS	HDMI 1080i	Other					
	6	VTC	0-3	0	0	0					
				Tristate=1	Tristate=0						
	7	HTC*	0,1	0 *	1 *						
				V5/V6-1080i/MS	HDMI 1080i	Other					
	8	HWID	0-3	1	1	1					
	9	HSEP	0,1	1	1	1					
				V5&6/DVI/MS 1080i	Others						
	10	HMSK*	0,1	0 *	1 *						
				V5 480p/ 720p/1080i/ No Sync	V6 480p/ 720p/1080i/ No Sync	HDMI 480p/ 720p/1080i/ No Sync	ATSC 720p/1080i	ATSC 480p/MS	Others		
	11	FRGB	0,1	0	0	0	0	0	0		
				ATSC 720p/1080i	Others						
12	HYSW	0,1	1	0							

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Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A							
AUDIO	0	ASYS	0,1	1	34XBR/34XS/30XS/36XS													
	1	TRCV	0-3	2														
	2	BACV	0-3	0														
	3	MDCV	0-3	2														
	4	SVHI	0-7	4														
	5	SVLO	0-7	4														
	6	MIDL	0-15	8														
	7	LOFQ	0-7	0														
	8	SBAS	0-15	5														
	9	MIDT	0-15	none														
	10	STRE	0-15	7														
	11	TRFQ	0-15	none														
	12	PSEF	0-15	5														
	13	AGCL	0-15	9														
				TruSurround	Simulated	SteadySound	Off											
	14	BBE	0,1	1	1	1	1											
	15	BBEP	0-7	5	5	6	5											
	16	BBEL	0-7	4	4	4	4											
	17	BB2P	0-7	5	5	6	5											
	18	BB2L	0-7	4	4	4	4											
	19	TRS1	0-7	4														
	20	TRS2	0-7	2														
SNNR	0	MODE	0-3	0														
	1	SNNR	0-7	0														
				WSLT- A								WSLT- B	WSLT- C	WSLT- D	WSLT- E	WSLT- F	WSLT- G	
	2	WSLT	0-255	15								31	45	63	85	110	127	
				SNNR = 0								SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7
	3	CPFG	0-15	0								0	1	1	2	2	2	3
	4	CPFT	0-3	0								0	0	0	0	0	0	0
	5	CCOR	0-3	0								0	1	1	1	1	1	1
	6	CHCG	0,1	0								1	1	1	1	1	1	1
	7	CAPG	0-7	0								0	0	0	0	0	0	0
	8	3SHP	0-15	0								0	1	1	2	2	2	3
	9	NYNR	0-15	0								1	2	2	3	3	4	4
	10	NCNR	0-15	0								1	2	2	3	3	4	4
	11	NYMG	0-3	0	0	0	0	0	0	0	0							
	12	NCMG	0-3	0	0	0	0	0	0	0	0							
	13	NYLT	0-15	0	1	1	2	3	4	6	8							
	14	NYNC	0-15	0	0	2	2	3	3	4	4							
	15	NYCO	0,1	0	0	1	1	1	1	1	1							
	16	7SHP	0-63	0	0	1	1	3	3	3	4							
	17	7YF1	0-3	0	0	1	1	2	2	2	3							
	18	7LTI	0-3	0	0	0	0	0	0	0	0							
	19	7CTI	0-3	0	0	0	0	0	0	0	0							
	20	7VML	0-15	0	0	0	0	0	0	0	0							
	21	7VMC	0-3	0	0	1	1	2	2	2	3							
	22	MIDD	0-63	0	0	1	1	2	2	2	3							

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Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
CCD	0	HPRM	0-255	60							
	1	HPRS	0-255	60							
	2	YSYM	0,1	0							
	3	CCDI	0-7	3							
	4	CRIP	0-7	4							
	5	PHLD	0,1	0							
	6	CHMK	0-63	54							
	7	LANG*	0-15	0 *							
	8	DATA	0,1	0							
	9	VCHP	0,1	0							
	10	CLMP	0,1	0							
	11	SYSV	0-7	4							
	12	ID1	0,1	1							
	13	ID1M*	0-7	1 *							
	14	FPOL	0,1	0							
	15	BWHT	0,1	0							
	16	MESH	0,1	0							
	17	BNBB	0-3	1							
	18	BNBG	0-3	1							
	19	BNBR	0-3	0							
	20	CMP1	0-7	2							
	21	CMP2	0-7	5							
	22	CMP3	0-7	3							
	23	CWHT	0-7	3							
	24	VSDW	0,1	1							
	25	BFRQ	0,1	0							
	26	BPOS	0,1	0							
	27	BFRM	0,1	1							
	28	BTIM	0,1	0							

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Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
3DNR	0	WHCT	0-63	44							
	1	NIQM	0,1	1							
	2	CLPW	0-63	30							
	3	CLPP	0-255	80							
	4	YHBW	0-255	138							
	5	YBKL	0-15	0							
	6	YBKO	0,1	0							
	7	MUTE	0,1	0							
	8	YHBS	0-127	40							
	9	CHBW	0-255	138							
	10	CBKO	0-127	40							
	11	CHBO	0,1	0							
	12	VHBL	0-15	0							
	13	UHBL	0-15	0							
	14	UVDL	0-7	0							
	15	YDL	0-7	0							
	16	PVDI	0,1	0							
	17	PHDI	0,1	0							
	18	HDW	0-63	16							
	19	PVDO	0,1	0							
	20	PHDO	0,1	0							
	21	HST	0-255	54							
	22	VDL	0-15	0							
	23	VDW	0-15	3							
	24	NDET	0-15	0							
	25	NVP	0-15	2							
	26	NDTS	0-3	3							
	27	HROF	0,1	0							
	28	NDGW	0-15	9							
	29	UOFS	0-7	1							
	30	POT	0-3	0							
	31	UVF	0,1	0							
	32	APC	0,1	1							
	33	DAP	0,1	0							
	34	YLV	0-15	15	15	10	10	10	10	8	8
	35	YST	0,1	0							
	36	YNT	0,1	1							
	37	YPL	0,1	1							
	38	YMV	0,1	0							
	39	YCR	0-31	3	3	3	3	3	3	3	3
	40	VOS	0-7	1							
	41	YMG	0-3	3	1	3	3	3	3	3	3
	42	YEG	0,1	0							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
3DNR				Vivid		Standard		Movie		Pro	
	43	YEL	0-15	480i	Others	480i	Others	480i	Others	480i	Others
	44	YLM	0-127	6	6	6	6	6	6	6	6
	45	CLV	0-15	15	15	10	10	10	10	8	8
	46	CNT	0,1	1							
	47	CPL	0,1	1							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	48	CMG	0-3	3	3	3	3	3	3	3	3
	49	CCR	0-31	3	3	3	3	3	3	3	3
	50	CLM	0-127	6	6	6	6	6	6	6	6
	51	NVSL	0-255	20							
	52	NVSH	0,1	1							
	53	NHS	0-127	16							
	54	NVEL	0-255	244							
	55	NVEH	0,1	0							
	56	NHE	0-127	120							
				Vivid		Standard		Movie		Pro	
				480i	Others	480i	Others	480i	Others	480i	Others
	57	YNG	0-3	3	3	3	3	3	3	3	3
	58	COR	0,1	0	0	0	0	0	0	0	0
	59	LPF	0,1	0	0	0	0	0	0	0	0
	60	YLT	0-15	6	6	6	6	6	6	6	6
	61	YNC	0-15	8	8	8	8	8	8	8	8
	62	YCO	0,1	0	1	0	0	0	0	0	0
	63	ADTH	0,1	0							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      VIDEO & AUDIO

Category	No	Item	Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
DRCV	0	MFVR	0,1	0								
	1	ISEL	0,1	1								
	2	ORES	0-255		RF	CV/YC	V5/V6-480i	HDMI	ATSC			
				Vivid	128	128	128	128	128			
				Standard	128	128	128	128	128			
				Movie	128	128	133	133	133			
	Pro	128	128	133	133	133						
	3	ONCT	0-255		RF	CV/YC	V5/V6-480i	HDMI	ATSC			
				Vivid	128	128	128	128	128			
				Standard	128	128	128	128	128			
				Movie	128	128	128	128	128			
	Pro	128	128	128	128	128						
				Custom 1	Custom 2	Custom 3	No service list, only NVM data in user					
	4	AINI	0-127	0	49	79						
	5	BINI	0-127	24	54	89						
	6	FMAT	0,1	0								
	7	FMTH	0-3	RF	Others							
				1	1							
	8	FSEL	0,1	1								
	9	CDLY	0-3	2								
	10	LMIT	0,1	0								
	11	LMLV	0-3	Vivid	Standard	Movie	Pro					
				2	2	2	2					
	12	LMSL	0,1	1								
	13	VDLY	0-3	1								
14	VDPR	0-3	3									
15	WPLL	0-3	2									
16	CRCT	0,1	0									
			SNNR = 1	SNNR = 2	SNNR = 3	SNNR = 4	SNNR = 5	SNNR = 6	SNNR = 7			
17	NRA	0-255	0	0	0	0	0	0	0			
18	NRB	0-255	128	128	128	128	128	128	128			
OP	0	DLY1	0-31	4								
	1	DLY2	0-31	12								
	2	DLY3	0-15	7								
	3	OSDH	0-255	17								
				Vivid	Standard	Movie	Pro	Expansion Zoom or Zoom-H	Note:			
	4	HDPT	0,1	1	1	1	1	1	HDPT=0 Bypass MID			
	5	AACK*	0-3	2 *								
6	DINI*	0,1	0 *									
7	RAMW*	0-3	0 *									



KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170D-1	0	VPOS	V Position	0-63	26							
	1	VSIZ	V Size	0-63	39							
					1080Full	Others	Note: Used for PJ only					
	2	VSZO	V Size Offset	0-63	0	0						
					WideZoom	Others						
	3	VLIN		0-15	7	7						
	4	VSCO		0-15	10	7						
	5	VCEN		0-63	19							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V						
	6	VPIN		0-31	15	15						
	7	MVPN		0-3	0							
	8	NSCO		0-63	31							
	9	HTPZ		0-31	15							
	10	MHTZ		0-3	0							
					WideZoom	Zoom	Others	Expansion Zoom or Zoom-V				
	11	ZOOM		0,1	1	1	0	1				
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V	SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
	12	APSW		0,1	1	1	1	0	0	1	1	None
	13	ASPT		0-63	22	43	3	0	47	3	43	None
	14	SCRL		0-63	31	31	31	31	31	31	31	None
					WideZoom	Others	Note: Data variation for 16x9//4x3 models					
	15	UVLN		0-15	4	0						
16	LVLN		0-15	4	0							
2170D-2	0	HCNT		0-63	31							
					1080Full 1080Vcomp	Others						
	1	HPOS		0-63	29	31						
					WideZoom	Others	Note: Different settings used for KV-34/30XBR910 models					
	2	HSIZ		0-63	56	50						
	3	SLIN		0-15	10	4						
	4	MPIN		0-15	11	10						
					WideZoom	Others	1080i					
	5	PIN		0-63	18	12	12					
					WideZoom	Zoom	480Full	1080Full	1080Vcomp 480Vcomp			
	6	PINO		0-15	7	7	7	9	7			
				WideZoom	Others	1080i						
7	UCP		0-63	38	35	35						
8	LCP		0-63	38	35	35						

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
2170D-2					Others	1080i							
	9	UXCG		0-3	0	0							
	10	LXCG		0-3	0	0							
	11	UXCP		0-3	2	2							
	12	LXCP		0-3	2	2							
	13	XCPP		0,1	0	0							
					WideZoom	Others							
	14	PPHA		0-63	21	21							
	15	VANG		0-63	31								
	16	LANG		0-63	31								
	17	VBOW		0-63	31								
	18	LBOW		0-63	31								
2170D-3	0	HBLK		0,1	1								
					1080Full 1080Vcomp	Others							
	1	LBLK		0-63	50	51							
	2	RBLK		0-63	31	27							
					WideZoom	Zoom	480Full 1080Full	480Vcomp 1080Vcomp	Expansion Zoom or Zoom-V	<b>Note:</b> Data variation for 16x9//4x3 models			
	3	VBLK		0,1	0	0	1	1	0				
											HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V
					WideZoom	Zoom	480Full	1080Full	1080Vcomp	480Vcomp			
	4	TBLK		0-15	12	7	2	4	10	2	7	None	
	5	BBLK		0-15	15	7	8	6	13	8	7	None	
					1080Full 1080Vcomp	Others	<b>Note:</b> Data variation for 16x9//4x3 models						
	6	AFCM		0-3	2	3							
					1080Vcomp 480Vcomp	Others Expansion Zoom or Zoom-V	<b>Note:</b> Data variation for 16x9//4x3 models						
	7	JUMP		0,1	0	0							
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
	8	VDJP		0,1	1	1	0	1	1	1		None	
					1080Vcomp 1080Full	Others							
	9	VDST		0,1	0	0							
					WideZoom	Zoom	480Vcomp 480Full	1080Full	1080Vcomp	HD (1080i/720p) Expansion Zoom or Zoom-V		SD (16:9 Aspect signal) Expansion Zoom or Zoom-V	
	10	AKBT		0-31	15	15	20	16	16	15		None	

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A
2170D-4					1080Vcomp 480Vcomp		Note: Different settings used for KV-34/30XBR910 models					
	0	QPAM		0-63	22	22						
	1	QPAV		0-63	41	41						
	2	QPAP		0-15	6	6						
	3	QPDC		0-63	43	43						
	4	QPDV		0-63	55	55						
	5	QPDV		0-15	6	6						
	6	CPY1*		0,1	0 *							
	7	DF		0-63	34							
	8	DQP		0-63	30		Different settings (maybe) for KV-34/30XBR910 models					
2170D-5	0	VFRQ		0-3	1							
	1	VON*		0,1	1 *							
	2	EWDC		0,1	0							
	3	MS15		0,1	0							
	4	HFRQ		0-255	80							
	5	HFRX		0-63	25							
	6	VMPS		0,1	0							
	7	INTR		0,1	0							
	8	VLNL		0-3	0							
	9	VLNH		0-255	0							
	10	AGCS		0,1	0							
D-CONV (CXA8070)	0	YBWU		0-63	31							
	1	YBWL		0-63	31							
	2	RSAP		0-63	31							
	3	RUMB		0-63	31							
	4	RUBW		0-63	31							
	5	RLMB		0-63	31							
	6	RLBW		0-63	31							
	7	LSAP		0-63	31							
	8	LUMB		0-63	31							
	9	LUBW		0-63	31							
	10	LLMB		0-63	31							
	11	LLBW		0-63	31							
	12	CADJ		0-63	23							
	13	HVCA		0-63	63							
	14	SRSP		0-63	63		Note: Different settings used for KV-34/30XBR910 models					
	15	SRUM		0-63	31							
	16	SRUB		0-63	63							
	17	SRLM		0-63	31							
	18	SRLB		0-63	63							
	19	SLSP		0-63	57							
	20	SLUM		0-63	31							
	21	SLUB		0-63	63							
	22	SLLM		0-63	31							
	23	SLLB		0-63	63							

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      DEFLECTION

Category	No	Item		Range	*	NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
LANDING	0	LT		0-255	127	<b>Note:</b> Different settings used for KV-34/30XBR910 models								
	1	LB		0-255	127									
	2	RT		0-255	127									
	3	RB		0-255	127									
	4	EWSP		0-15	5									
	5	ENSW		0,1	0									
	6	TESW		0,1	0									
	7	DHMT*		0,1	0 *									
	8	LDVM		0-3	0									
	9	LVSW		0,1	0									
	10	LVPH		0-255	127									
						LDVM = 0		LDVM = 1		LDVM = 2		LDVM = 3		<b>Note:</b> Different settings used for KV-34/30XBR910 models
						Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	Wide Zoom	Others	
	11	HSZO		0-15	0	0	0	0	0	2	0	2		
	12	SLINO		0-15	0	0	0	0	0	1	0	1		
	13	MPNO		0-15	0	0	0	2	0	5	0	9		
	14	PINO		0-15	0	0	0	2	0	6	0	9		

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A	
MID1	0	DHPH	d_h_phase	0-255	108								
	1	DVPH	d_v_phase	0-63	20								
	2	DHAR	d_h_area	0-255	240								
	3	DVAR	d_v_area	0-255	135								
	4	DHPW	d_h_pwidth	0-63	55								
	5	DVPW	d_v_pwidth	0-7	5								
						Single		Twin	Freeze	Favorites	Index		
						480i	Others						
	6	DYCD	d_yc_delay	0-63	1	0	2	2	2	2			
						Table-0	Table-1	Table-2	Table-3				
	7	DYSD	d_ys_delay	0-7	7	4	2	1					
						Single				Favorites	Index		
						VGA			Others		Favorites	Index	
						Normal	Others	Normal	Others	VGA	VGA		
	8	MDHP	m_dsp_hpos	0-255	174	72	156	0	40	41			
						Single			Favorites	Index			
						480i/480p	VGA	Others	VGA	VGA			
	9	MDVP	m_dsp_vpos	0-255	30	66	0	34	34				
						Single				Favorites	Index		
						VGA			Others		Favorites	Index	
						Normal	Others	Normal	Others	VGA	VGA		
	10	MDHS	m_dsp_hsiz	0-255	153	204	162	240	155	119			
						Single			Favorites	Index			
						480i/480p	VGA	Others	VGA	VGA			
	11	MDVS	m_dsp_vsiz	0-255	120	102	135	103	103				
						Twin/Freeze		Favorites	Index				
	12	MLHP		0-255	36	31	31						
	13	MLVP		0-255	8	30	30						
						Favorites							
	14	SDHP	s_dsp_hpos	0-255	167								
	15	SDVP	s_dsp_vpos	0-255	5								
	16	SDHS	s_dsp_hsiz	0-255	115								
	17	SDVS	s_dsp_vsiz	0-255	79								
	18	PDHP		0-255	0								
	19	PDVP		0-255	0								
	20	PDHS		0-255	0								
	21	PDVS		0-255	0								
						1080i Single		Others					
	22	DPSW	dsp_pll_sw	0,1	0	0							
	23	MDLO		0-63	12								
						Single			Others				
						Normal	Others	MemoryStick					
	24	BCOL	d_back_y	0-15	0	0	0	0					
	25	DYSS	d_ys_slct	0-3	1								
						Index							
26	OSDH		0-63	32									
27	OSDV		0-63	16									

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A		
MID2					Single	480i V5/V6		YC		480i HDMI/ATSC		480i Expand		
						Normal	Others	Normal	Others	Normal	Others	Normal	Others	
	0	DRHP	drc_hactv_pos	0-255		153	120	154	117	145	108	153	224	
	1	DRHS	drc_hactv_siz	0-255		162	180	162	180	162	180	162	125	
	2	DRVP	drc_vactv_pos	0-63		37	37	37	37	37	37	37	37	
	3	DRVS	drc_vactv_siz	0-255		120	120	120	120	120	120	120	120	
					Twin-Left	480i V5/V6	YC	480i HDMI/ATSC	Expansion					
	0	DRHP	drc_hactv_pos	0-255		146	148	140	146					
	1	DRHS	drc_hactv_siz	0-255		164	164	164	164					
	2	DRVP	drc_vactv_pos	0-63		57	57	57	57					
	3	DRVS	drc_vactv_siz	0-255		110	110	110	110					
						Twin-Right	YC							
	0	DRHP	drc_hactv_pos	0-255	153									
	1	DRHS	drc_hactv_siz	0-255	164									
	2	DRVP	drc_vactv_pos	0-63	57									
	3	DRVS	drc_vactv_siz	0-255	110									
					Freeze		480i V5/V6	YC	480i HDMI/ATSC	Expansion				
	0	DRHP	drc_hactv_pos	0-255		153	153	144	153					
	1	DRHS	drc_hactv_siz	0-255		162	162	162	162					
	2	DRVP	drc_vactv_pos	0-63		57	57	57	57					
	3	DRVS	drc_vactv_siz	0-255		110	110	110	110					
						Favorites (Main)	480i V5/V6	YC		480i HDMI/ATSC		Expansion		
					Full		Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp	
	0	DRHP	drc_hactv_pos	0-255	140		140	140	140	132	132	140	140	
	1	DRHS	drc_hactv_siz	0-255	165		165	165	165	165	165	165	165	
	2	DRVP	drc_vactv_pos	0-63	37		57	37	57	37	57	37	57	
	3	DRVS	drc_vactv_siz	0-255	120		110	120	110	120	110	120	110	
					Favorites (Sub)	YC								
	0	DRHP	drc_hactv_pos	0-255		153								
	1	DRHS	drc_hactv_siz	0-255		171								
	2	DRVP	drc_vactv_pos	0-63		28								
	3	DRVS	drc_vactv_siz	0-255		118								
						Index (Main)	480i V5/V6	YC		480i HDMI/ATSC		Expansion		
					Full		Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp	
	0	DRHP	drc_hactv_pos	0-255	140		140	140	140	134	134	140	140	
	1	DRHS	drc_hactv_siz	0-255	165		165	165	165	165	165	165	165	
	2	DRVP	drc_vactv_pos	0-63	37		57	37	57	37	57	37	57	
	3	DRVS	drc_vactv_siz	0-255	120		110	120	110	120	110	120	110	
					Index (Sub)	YC								
	0	DRHP	drc_hactv_pos	0-255		158								
	1	DRHS	drc_hactv_siz	0-255		162								
	2	DRVP	drc_vactv_pos	0-63		57								
	3	DRVS	drc_vactv_siz	0-255		110								

Note: AV-Multi (RGB)=HDMI/ATSC (w/o MS)  
AV-Multi (YPbPr)=Expansion

Note: AV-Multi (RGB)=HDMI/ATSC (w/o MS)  
AV-Multi (YPbPr)=Expansion

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY      MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A																				
MID3					Single	V5/ V6						HDMI/ATSC						HDMI		Expansion												
						1080i MS	720p		480p		480i		1080i	720p	480p		480i		VGA		1080i	720p	480p		480i							
							Normal	Others	Normal	Others	Normal	Others			Normal	Others	Normal	Others	Normal	Others			Normal	Others	Normal	Others						
	0	VDHP	vdo_hactv_pos	0-255		107	137	200	152	76	56	85	117	200	152	76	56	195	195	245	231	200	255	76	56							
	1	VDHS	vdo_hactv_siz	0-255		240	161	216	240	162	180	240	161	216	240	162	180	229	229	166	109	216	188	162	180							
	2	VDVE	vdo_vactv_evn	0-63	Twin-Left	19	24	37	37	17	17	19	24	37	37	17	17	34	34	19	24	37	37	17	17							
	3	VDVS	vdo_vactv_siz	0-255		135	180	120	120	60	60	135	180	120	120	60	60	120	120	135	180	120	120	60	60							
						V5/ V6						HDMI/ATSC				HDMI	Expansion															
						1080i	720p	480p	480i	1080i	720p	480p	480i	VGA	1080i	720p	480p	480i														
	0	VDHP	vdo_hactv_pos	0-255		141	163	192	71	122	144	192	71	235	141	163	192	71														
	1	VDHS	vdo_hactv_siz	0-255		221	147	219	164	221	147	219	164	209	221	147	219	164														
	2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27														
	3	VDVS	vdo_vactv_siz	0-255		123	165	110	55	123	165	110	55	110	123	165	110	55														
					Twin-Right	YC																										
	0	VDHP	vdo_hactv_pos	0-255		73																										
	1	VDHS	vdo_hactv_siz	0-255		164																										
	2	VDVE	vdo_vactv_evn	0-63		27																										
	3	VDVS	vdo_vactv_siz	0-255		55																										
					Freeze	V5 / V6						HDMI/ATSC				HDMI	Expansion															
						1080i	720p	480p	480i	1080i	720p	480p	480i	VGA	1080i	720p	480p	480i														
	0	VDHP	vdo_hactv_pos	0-255		151	169	200	74	125	150	200	74	235	151	169	200	74														
	1	VDHS	vdo_hactv_siz	0-255		218	145	216	162	218	145	216	162	208	218	145	216	162														
	2	VDVE	vdo_vactv_evn	0-63		43	54	57	27	43	54	57	27	54	43	54	57	27														
	3	VDVS	vdo_vactv_siz	0-255	123	165	110	55	123	165	110	55	110	123	165	110	55															
					Favorites (Main)	V5/V6						HDMI/ATSC				HDMI		Expansion														
						1080i		720p	480p		480i		1080i		720p	480p		480i		VGA		1080i		720p	480p		480i					
						Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		
	0	VDHP	vdo_hactv_pos	0-255		136	136	158	184	184	68	68	112	112	134	184	184	68	68	195	195	136	136	158	184	184	68	68				
	1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165				
	2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27					
	3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55					
					Favorites (Sub)	YC																										
	0	VDHP	vdo_hactv_pos	0-255		75																										
	1	VDHS	vdo_hactv_siz	0-255		171																										
	2	VDVE	vdo_vactv_evn	0-63		13																										
	3	VDVS	vdo_vactv_siz	0-255		59																										
					Index (Main)	V5/V6						HDMI/ATSC				HDMI		Expansion														
						1080i		720p	480p		480i		1080i		720p	480p		480i		VGA		1080i		720p	480p		480i					
						Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp	Full	Vcomp		Full	Vcomp	Full	Vcomp	Full	Vcomp		
	0	VDHP	vdo_hactv_pos	0-255		136	136	158	184	184	68	68	114	114	137	184	184	68	68	195	195	136	136	158	184	184	68	68				
	1	VDHS	vdo_hactv_siz	0-255		222	222	148	220	220	165	165	222	222	148	220	220	165	165	229	229	222	222	148	220	220	165	165				
	2	VDVE	vdo_vactv_evn	0-63	43	43	55	37	57	17	27	43	43	54	37	57	17	27	34	34	43	43	55	37	57	17	27					
	3	VDVS	vdo_vactv_siz	0-255	123	123	165	120	110	60	55	123	123	165	120	110	60	55	120	120	123	123	165	120	110	60	55					
					Index (Sub)	YC																										
	0	VDHP	vdo_hactv_pos	0-255		76																										
	1	VDHS	vdo_hactv_siz	0-255		162																										
2	VDVE	vdo_vactv_evn	0-63	27																												
3	VDVS	vdo_vactv_siz	0-255	55																												
				YC	V5/V6						HDMI/ATSC				HDMI	Expansion																
					480i	1080i/MS	720p	480p	480i	1080i	720p	480p	VGA	480i	1080i	720p	480p															
4	VDVO	vdo_vactv_odd	0-3		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
5	VCPO	vdo_clp_pos	0-255		42	42	72	88	122	42	50	88	122	122	42	72	88	122														
6	VCWD	vdo_clp_wdt	0-7		1	1	3	3	3	1	3	3	3	3	1	3	3	3														
7	VYCD	vdo_yc_delay	0-63		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
8	VSTP	vdo_pll_stop	0-255		62	62	133	183	126	62	136	183	126	129	62	136	183	126														
9	VSTT	vdo_pll_strt	0-15		0	0	0	0	0	0	0	0	0	0	0	0	0	0														
10	VHSC	vdo_hsync_cyc	0-255		130	130	130	130	130	130	130	130	130	130	130	130	130	130														
11	VFRV	vdo_fld_rev	0,1		0	0	0	0	0	0	0	0	0	0	0	0	0	0														

KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A								
MID5	0	POP		0-63	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	MHLY	m_hlpf_ycoef	0-3	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	1	2	2	3	2	0	0	2	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	0	1	1	1	1	2	2	2	0	1	2	1	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	0	2	5	5	6	7	7	7	5	2	4	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	0	0	0	1	2	2	2	0	1	1	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	0	0	0	0	1	1	1	1	0	1	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	0	0	0	0	1	1	1	1	0	3	3	3	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	POP		0-63	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	3	3	3	3
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	6	7	2	4	5	7	2	0	7	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	1	0	1
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	0	0	1	2
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	2
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	0	2	4	6	0	0	4	4	0	0	4	3
	16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	0
	17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0
	18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	0
	0	POP		0-63	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
	1	MHLY	m_hlpf_ycoef	0-3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef	0-3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	MHYR	m_henh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	6	MHYL	m_henh_yclip	0-3	1	1	1	1	0	1	1	1	1	1	1	2	1	0	1	1
	7	MHYE	m_henh_yenh	0-7	4	5	7	7	0	4	7	7	2	4	5	7	7	0	4	7
	8	MHYO	m_henh_ycof	0,1	1	1	1	1	0	0	0	1	0	0	1	1	1	0	0	0
	9	MHCR	m_henh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1
	10	MHCL	m_henh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	11	MHCE	m_henh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4
	12	MHCO	m_henh_ccof	0-1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1
	13	MVYR	m_venh_ycore	0-3	0	1	1	2	0	0	0	2	0	0	0	2	1	0	0	0
	14	MVYL	m_venh_yclip	0-3	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
	15	MVYE	m_venh_yenh	0-7	2	3	7	7	1	2	4	6	0	0	4	4	7	1	2	4
16	MVCR	m_venh_ccore	0-3	0	0	0	2	0	0	1	2	0	0	1	2	0	0	0	1	
17	MVCL	m_venh_cclip	0-3	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	
18	MVCE	m_venh_cenh	0-7	0	0	0	0	0	0	4	4	0	0	4	4	0	0	0	4	

POP	Format
0	RF P
1	snr
2	RF M
3	snr
4	snr
5	RF S
6	snr
7	RF V
8	CV/YC P
9	CV/YC M
10	CV/YC S
11	CV/YC V 2004 DA4
12	V5/V6 480i All 480i P
13	V5/V6 480i All 480i M
14	V5/V6 480i All 480i S
15	V5/V6 480i All 480i V
16	V5/V6 480p All 480p P
17	V5/V6 480p All 480p M
18	V5/V6 480p All 480p S
19	V5/V6 480p All 480p V
20	V5/V6 1080i All 1080i P
21	V5/V6 1080i All 1080i M
22	V5/V6 1080i All 1080i S
23	V5/V6 1080i All 1080i V
24	V5/V6 720p All 720p P
25	V5/V6 720p All 720p M
26	V5/V6 720p All 720p S
27	V5/V6 720p All 720p V
28	HDMI 480i not assigned
29	HDMI 480i not assigned
30	HDMI 480i not assigned
31	HDMI 480i not assigned
32	HDMI 480p not assigned
33	HDMI 480p not assigned
34	HDMI 480p not assigned
35	HDMI 480p not assigned
36	HDMI 1080i not assigned
37	HDMI 1080i not assigned
38	HDMI 1080i not assigned
39	HDMI 1080i not assigned
40	HDMI 720p not assigned
41	HDMI 720p not assigned
42	HDMI 720p not assigned
43	HDMI 720p not assigned
44	Memory Stick not assigned
45	Memory Stick not assigned
46	Memory Stick not assigned
47	Memory Stick not assigned
48	HDMI 480i not assigned
49	HDMI 480i not assigned
50	HDMI 480i not assigned
51	HDMI 480i not assigned
52	HDMI 480p not assigned
53	HDMI 480p not assigned
54	HDMI 480p not assigned
55	HDMI 480p not assigned
56	HDMI 1080i not assigned
57	HDMI 1080i not assigned
58	HDMI 1080i not assigned
59	HDMI 1080i not assigned



KD-30XS955/34XS955/36XS955 SERVICE DATA ONLY MID

Category	No	Item		Range		NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A									
MID5	0	POP		0-63	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	
	1	MHLY	m_hlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	MHLC	m_hlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	MVLY	m_vlpf_ycoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	MVLC	m_vlpf_ccoef	0-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	MHYR	m_henh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	MHYL	m_henh_yclip	0-3	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
	7	MHYE	m_henh_yenh	0-7	7	0	4	2	5	0	0	0	0	0	0	0	0	0	0	0	
	8	MHYO	m_henh_ycof	0,1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	9	MHCR	m_henh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	10	MHCL	m_henh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	11	MHCE	m_henh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	
	12	MHCO	m_henh_ccof	0-1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	13	MVYR	m_venh_ycore	0-3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	14	MVYL	m_venh_yclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	15	MVYE	m_venh_yenh	0-7	6	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	
	16	MVCR	m_venh_ccore	0-3	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	17	MVCL	m_venh_cclip	0-3	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
	18	MVCE	m_venh_cenh	0-7	4	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	
						Memory Stick															
	19	SHLY	s_hlpf_ycoef	0-7	0																
	20	SHLC	s_hlpf_ccoef	0-7	0																
	21	SVLY	s_vlpf_ycoef	0-7	0																
	22	SVLC	s_vlpf_ccoef	0-7	0																
	23	SHYR	s_henh_ycore	0-3	0																
	24	SHYL	s_henh_yclip	0-3	0																
	25	SHYE	s_henh_yenh	0-7	0																
	26	SHYO	s_henh_ycof	0,1	0																
	27	SHCR	s_henh_ccore	0-3	0																
	28	SHCL	s_henh_cclip	0-3	0																
	29	SHCE	s_henh_cenh	0-7	0																
	30	SHCO	s_henh_ccof	0,1	0																
	31	SVYR	s_venh_ycore	0-3	0																
	32	SVYL	s_venh_yclip	0-3	0																
	33	SVYE	s_venh_yenh	0-7	0																
34	SVCR	s_venh_ccore	0-3	0																	
35	SVCL	s_venh_cclip	0-3	0																	
36	SVCE	s_venh_cenh	0-7	0																	
CXA3506R					480i	Others															
	0	MCON		0,1	64	64															
	1	SCOR		0-255	128	128															
	2	SCOG		0-255	128	128															
	3	SCOB		0-255	128	128															
	4	RGB		0-255	0	0															

60HDMI720pnot assigned

61HDMI720pnot assigned

62HDMI720pnot assigned

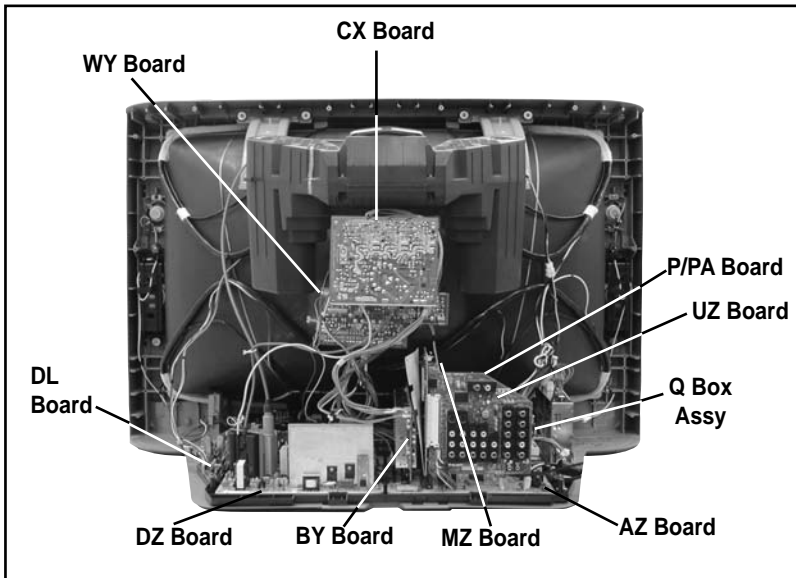
63HDMI720pnot assigned

4-5. ID MAP TABLE


Category	No	Item	Range		* NOT be memorized		Fix data		Adjustment data at CBA		Adjustment data at F/A			
ID					KD-34XBR960		KD-30XS955		KD-34XS955			KD-36XS955		Note
					US	HAWAII	US	HAWAII	US	CND	HAWAII	US	HAWAII	
	0	ID0		0-255	89	89	89	89	89	89	89	89	89	
	1	ID1		0-255	255	255	255	255	255	255	255	255	255	
	2	ID2		0-255	255	255	255	255	255	255	255	255	255	
	3	ID3		0-255	111	111	110	110	110	94	110	110	110	Vchip-US&CND/DRC Volume
	4	ID4		0-255	203	203	203	203	203	203	203	203	203	
	5	ID5		0-255	207	207	207	207	207	207	207	207	207	
	6	ID6		0-255	62	62	62	62	62	62	62	62	62	
	7	ID7		0-255	19	19	11	11	11	11	11	16	16	XBR(2 tuner)/16:9

## SECTION 5: DIAGRAMS


### 5-1. CIRCUIT BOARDS LOCATION






The components identified by shading and  $\triangle$  symbol are critical for safety. Replace only with part number specified.

The symbol  indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.



Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole  indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.

The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved.

When replacing the parts listed in the table below, it is important to perform the related adjustments.

Part Replaced (  )	Adjustment (  )
<b>DZ BOARD:</b> IC6503, IC8001, IC8002, IC8004, IC8005, IC8104, D8022, PH8003, Q8007, Q8008, R6590, R8012, R8014, R8015, R8016, R8017, R8019, R8021, R8027, R8029, R8030, R8031, R8035, R8036, R8037, R8038, R8039, R8040, R8043, R8046, R8052, R8059, R8060, R8066, R8072, R8078, R8079, R8082, R8165, T8001	<b>HV ADJUST</b> No HV Adjustment Required

### REFERENCE INFORMATION

#### RESISTOR

: RN METAL FILM  
 : RC SOLID  
 : FPRD NONFLAMMABLE CARBON  
 : FUSE NONFLAMMABLE FUSIBLE  
 : RW NONFLAMMABLE WIREWOUND  
 : RS NONFLAMMABLE METAL OXIDE  
 : RB NONFLAMMABLE CEMENT  
 :  $\otimes$  ADJUSTMENT RESISTOR

#### CAPACITOR

: TA TANTALUM  
 : PS STYROL  
 : PP POLYPROPYLENE  
 : PT MYLAR  
 : MPS METALIZED POLYESTER  
 : MPP METALIZED POLYPROPYLENE  
 : ALB BIPOLAR  
 : ALT HIGH TEMPERATURE  
 : ALR HIGH RIPPLE

#### COIL

: LF-8L MICRO INDUCTOR

### 5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms.  $k\Omega=1000\Omega$ ,  $M\Omega=1000k\Omega$

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch : 5mm


Rating electrical power :  $\frac{1}{4}$  W

$\frac{1}{4}$  W in resistance,  $\frac{1}{10}$  W and  $\frac{1}{16}$  W in chip resistance.

 : nonflamable resistor

 : fusible resistor

$\triangle$  : internal component

 : panel designation and adjustment for repair

$\perp$  : earth ground

$\text{---}\text{---}\text{---}$  : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a color-bar signal input.

Readings are taken with a 10M $\Omega$  digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S : Measurement impossibility.

 : B+line.

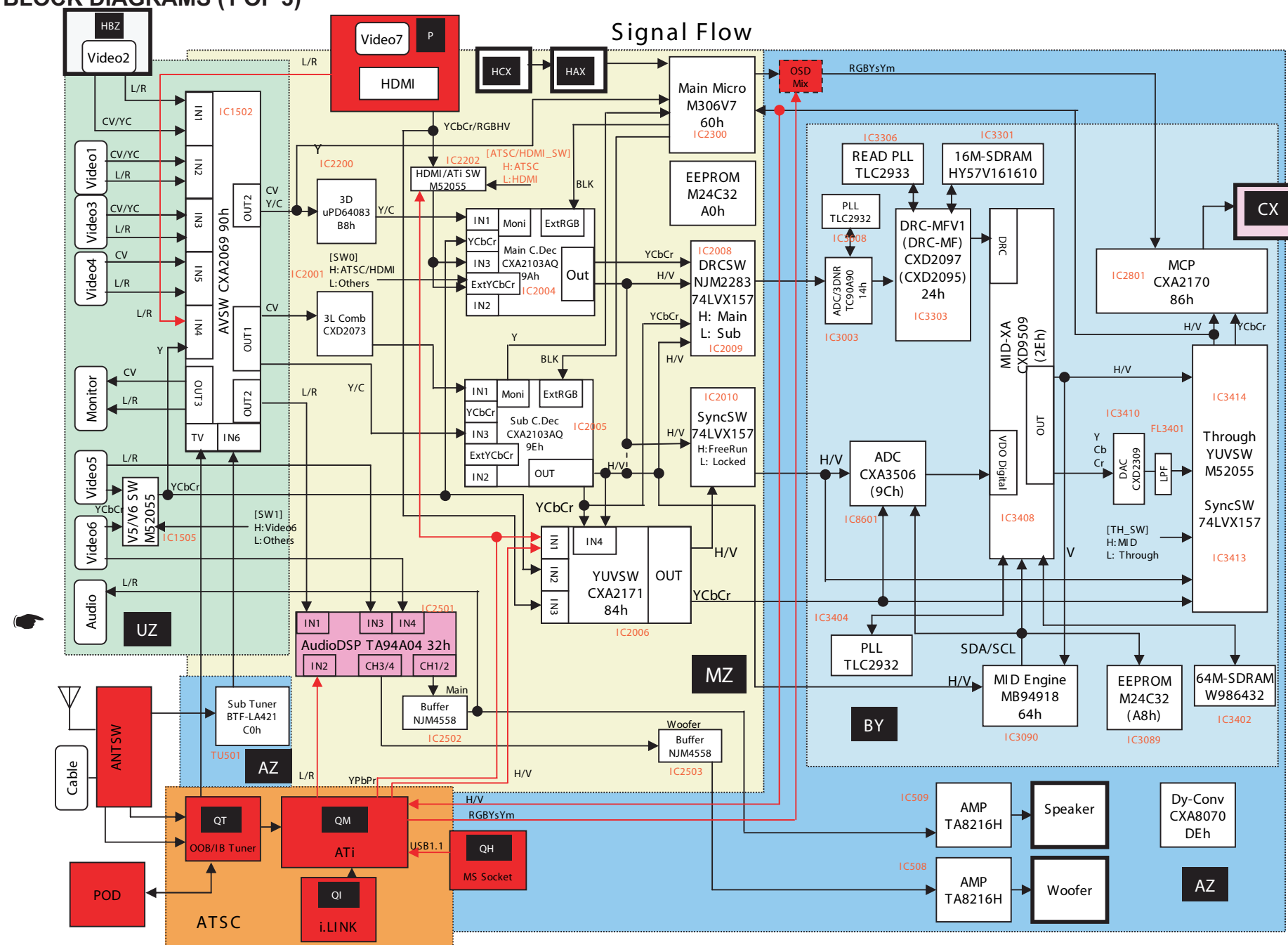
 : B-line. (Actual measured value may be different).

 : signal path. (RF)

Circled numbers are waveform references.

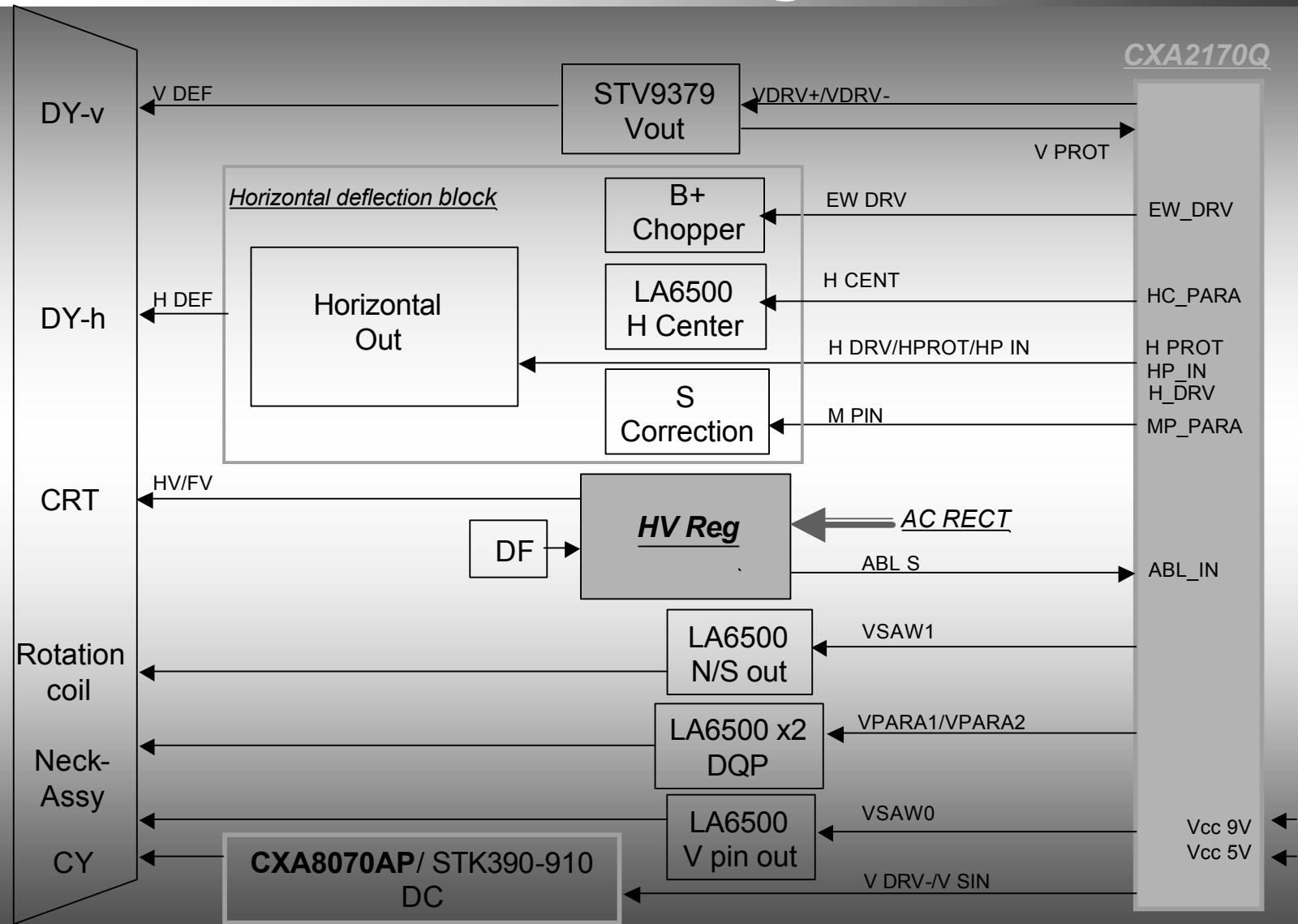
## 5-3. BLOCK DIAGRAMS

## BLOCK DIAGRAMS (1 OF 3)



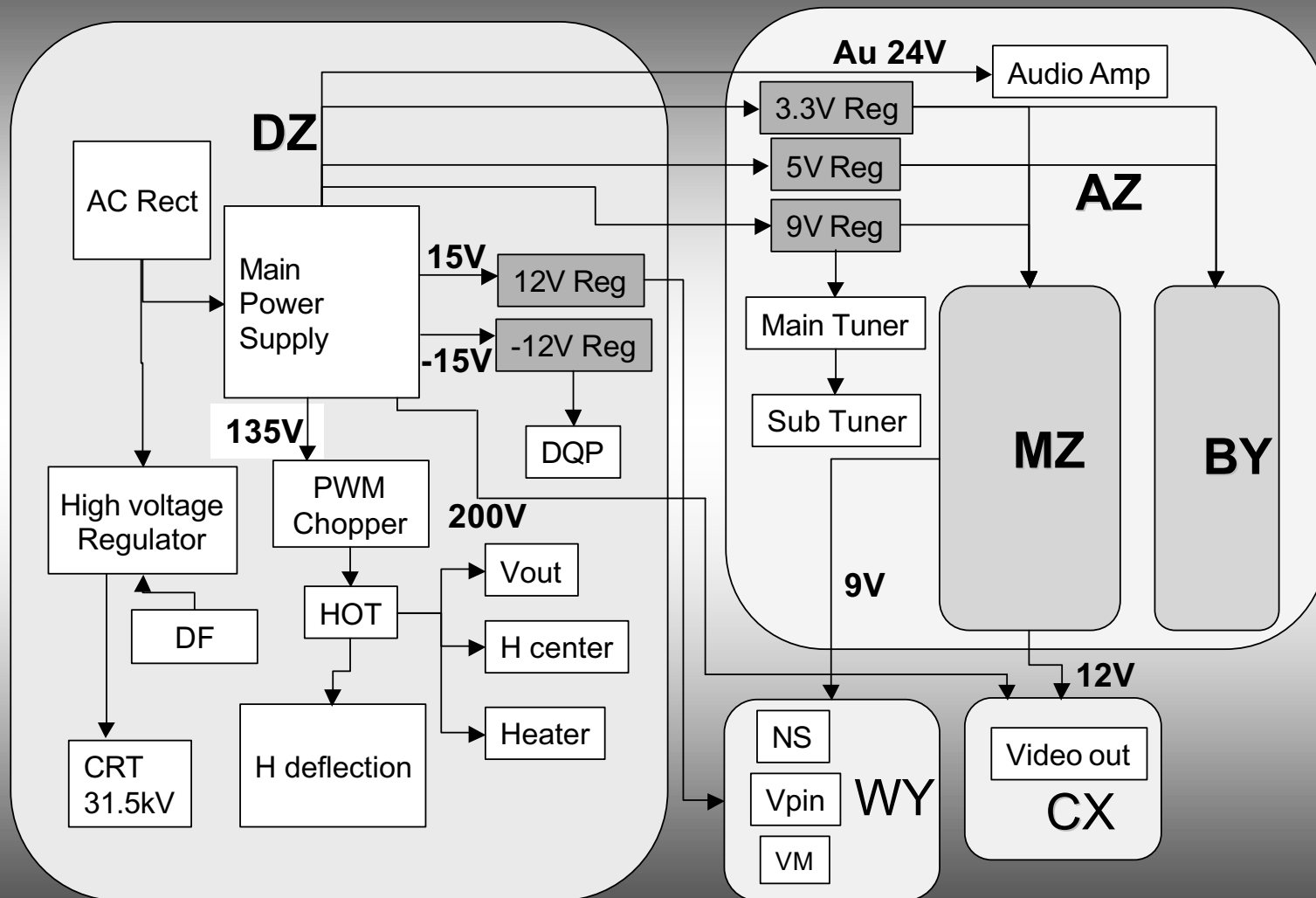
## BLOCK DIAGRAMS (2 OF 3)

# Deflection & HV System Block



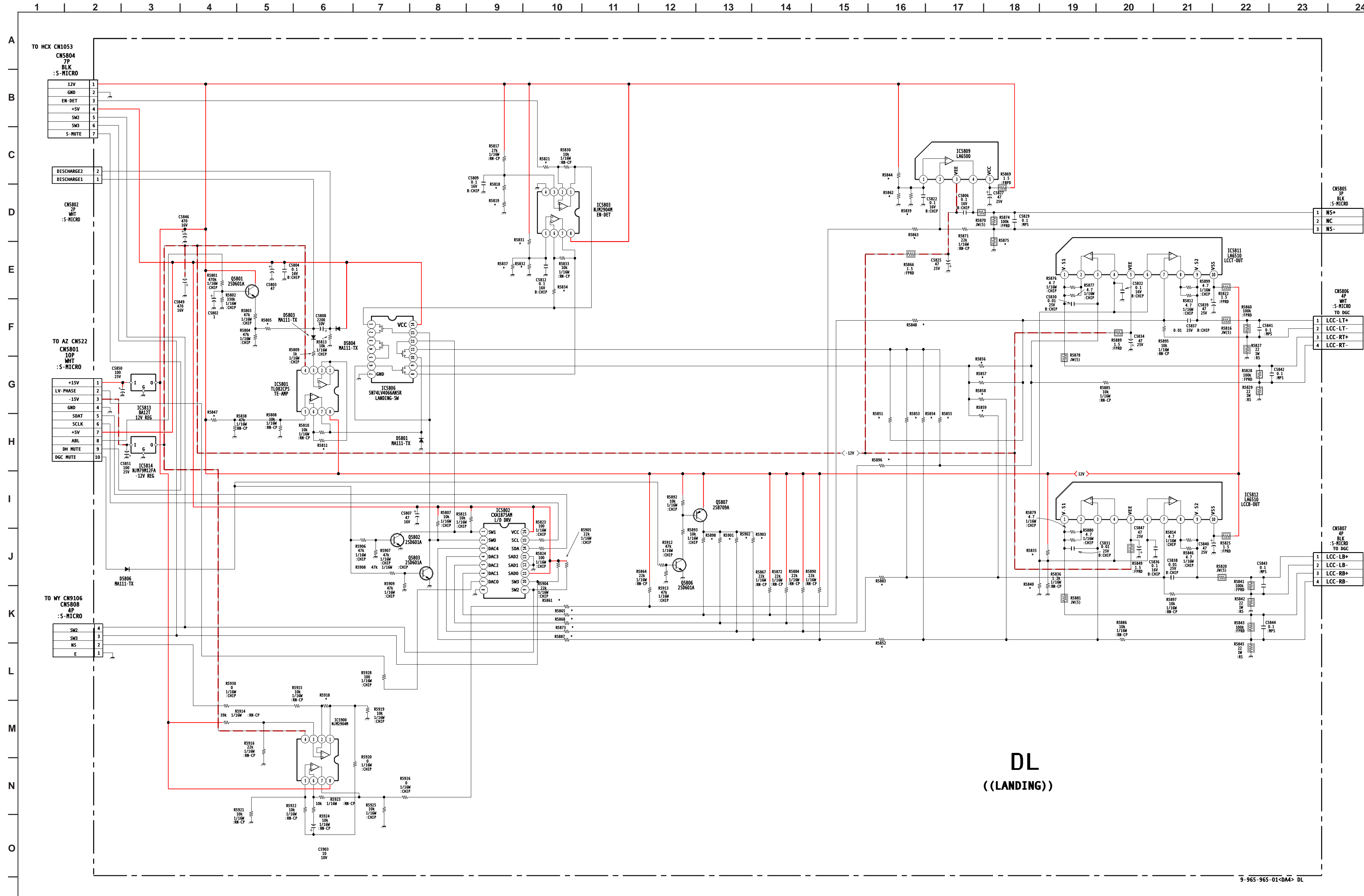
## BLOCK DIAGRAMS (3 OF 3)

# Power Supply Load Map



5-4. SCHEMATICS AND SUPPORTING INFORMATION

DL BOARD SCHEMATIC DIAGRAM



DL BOARD IC VOLTAGE LIST

IC5801		IC5803		IC5809		IC5813	
PIN	VOLT	PIN	VOLT	PIN	VOLT	PIN	VOLT
1	4.2	1	0.0	1	2.1	I	15.0
2	4.2	2	3.4	2	2.1	O	12.0
3	4.3	3	3.4	3	-12.0	GND	GND
4	-12.0	4	GND	4	-0.2	IC5814	
5	1.5	5	0.0	5	12.0	PIN	VOLT
6	1.5	6	0.0	IC5811		I	-15.0
7	0.7	7	0.0	PIN	VOLT	O	-12.0
8	12.0	8	12.0	1	0.6	GND	GND
IC5802		IC5806		IC5900			
PIN	VOLT	PIN	VOLT	PIN	VOLT		
1	4.9	1	2.1	4	1.3	1	5.2
2	4.9	2	NC	5	-12.0	2	4.3
3	2.5	3	NC	6	1.3	3	4.3
4	2.5	4	NC	7	1.3	4	-12.0
5	2.5	5	NC	8	1.0	5	2.6
6	2.5	6	4.9	9	1.0	6	2.6
7	2.5	7	0.0	10	12.0	7	2.6
8	GND	8	GND	IC5812		8	12.0
9	4.2	9	1.3	PIN	VOLT		
10	4.9	10	0.0	1	0.9		
11	5.0	11	0.8	2	1.0		
12	GND	12	0.0	3	1.0		
13	GND	13	0.0	4	1.3		
14	4.6	14	5.0	5	-12.0		
15	4.5			6	1.3		
16	5.0			7	1.3		
				8	0.0		
				9	0.8		
				10	12.0		

All voltages are in V.

DL BOARD TRANSISTOR VOLTAGE LIST

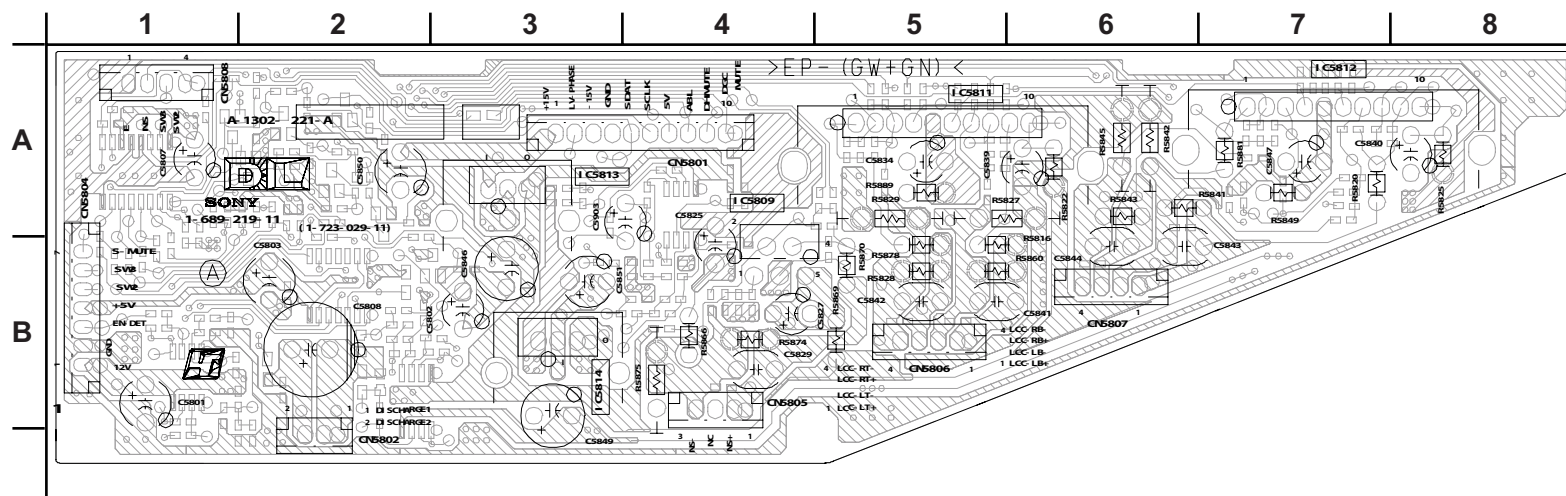
	B	C	E
Q5801	14.1	12.0	0.0
Q5802	0.0	5.0	GND
Q5803	0.0	5.0	GND
Q5806	0.0	12.0	GND
Q5807	12.0	0.0	12.0

All voltages are in V.

DL  
((LANDING))

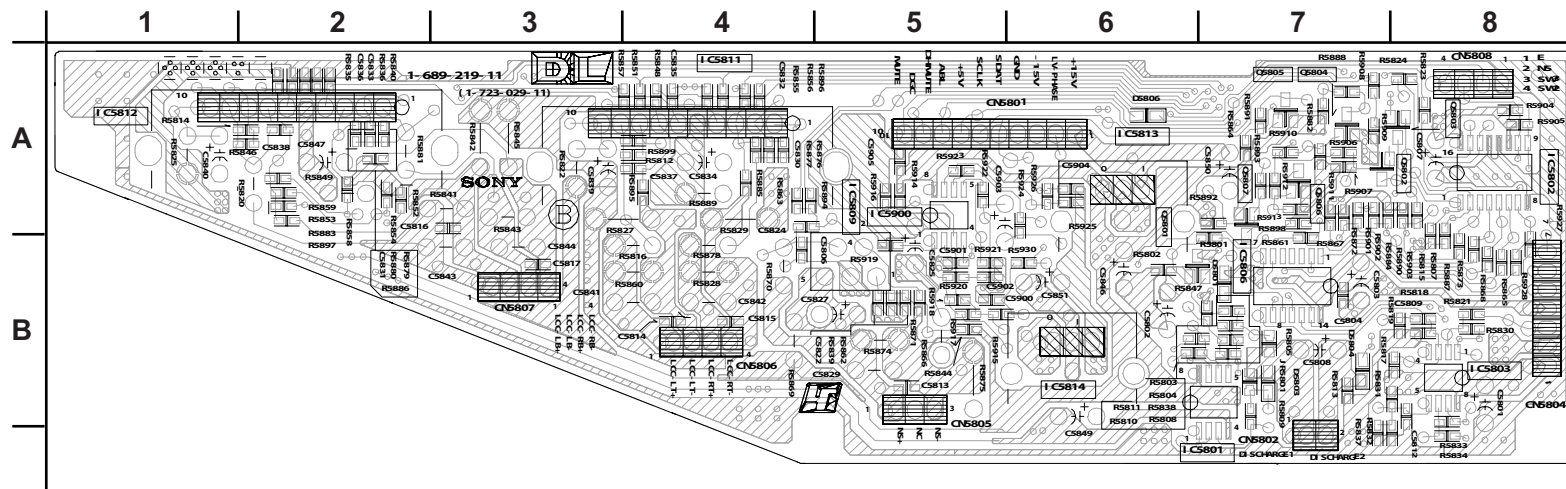


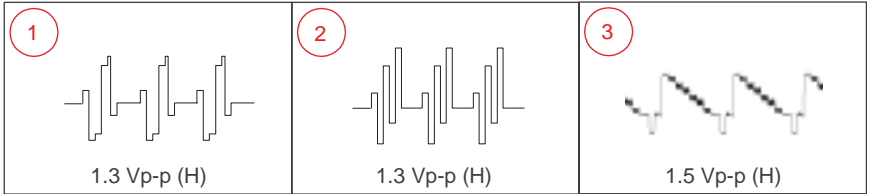
## COMPONENT SIDE



DL

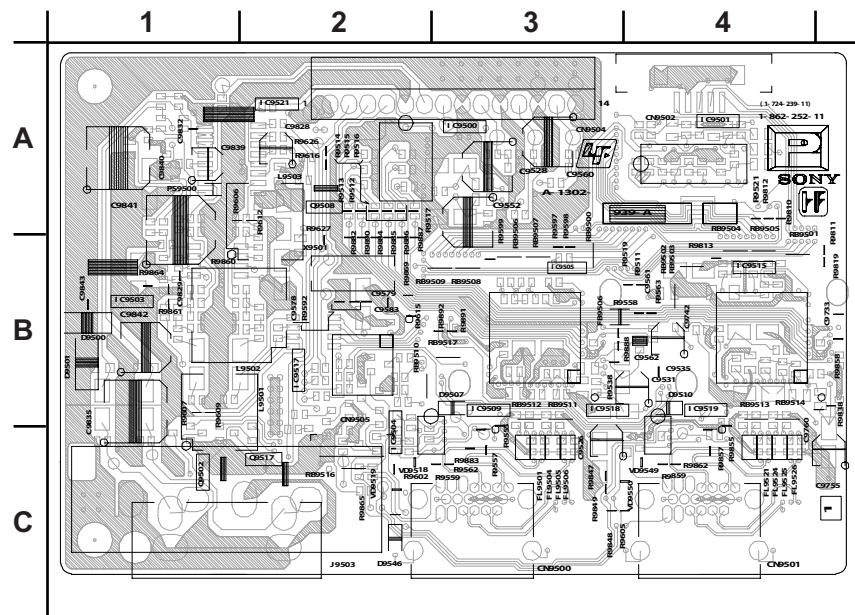
## CONDUCTOR SIDE



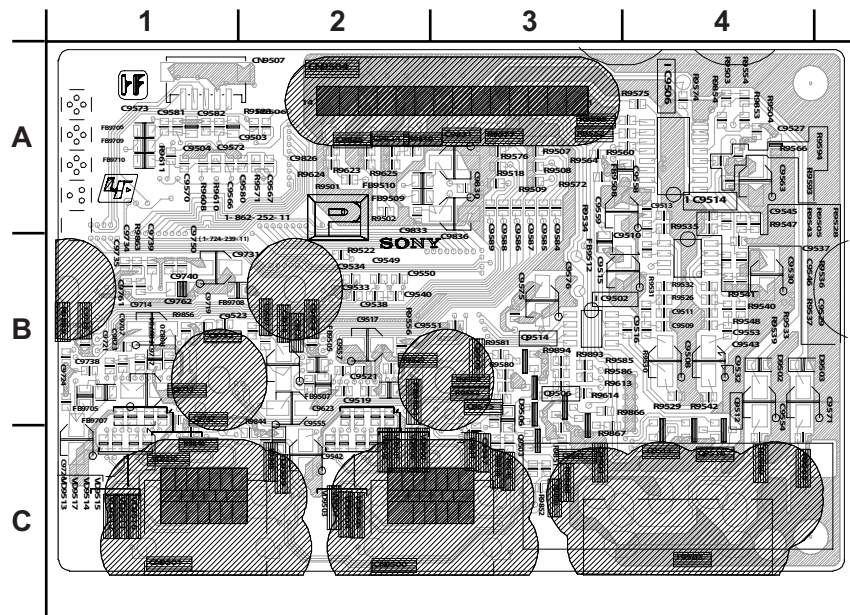




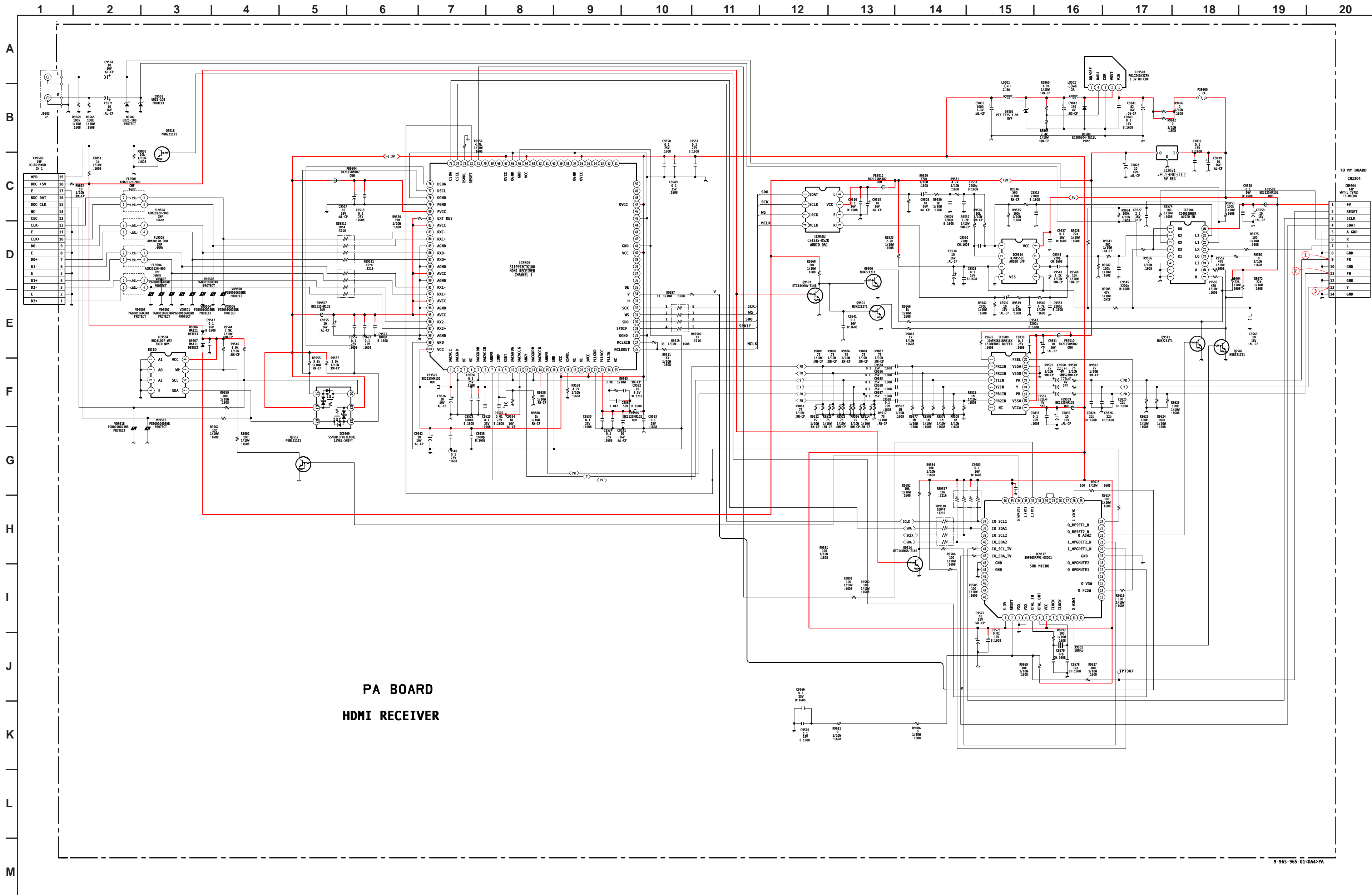
## COMPONENT SIDE



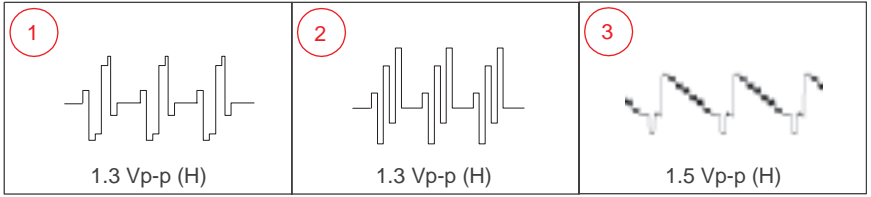
## CONDUCTOR SIDE



Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.

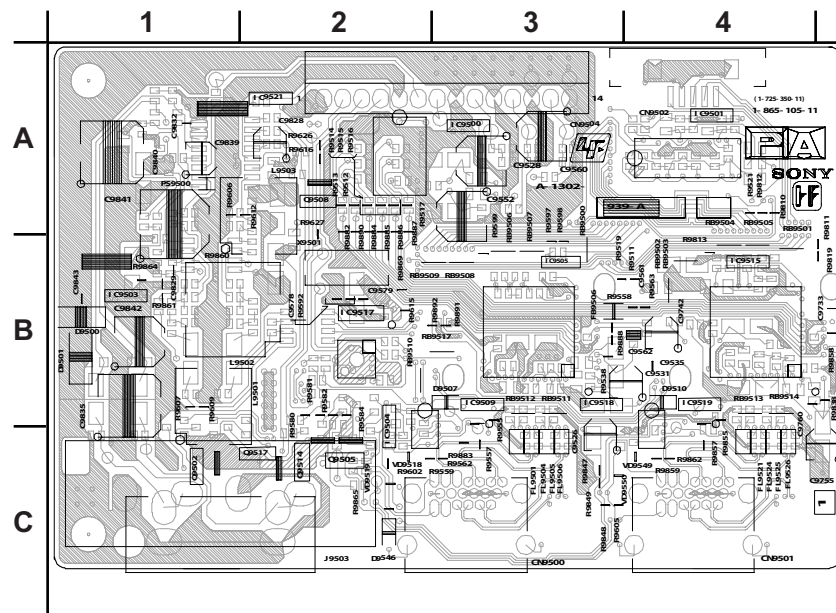


## P/PA BOARD WAVEFORMS



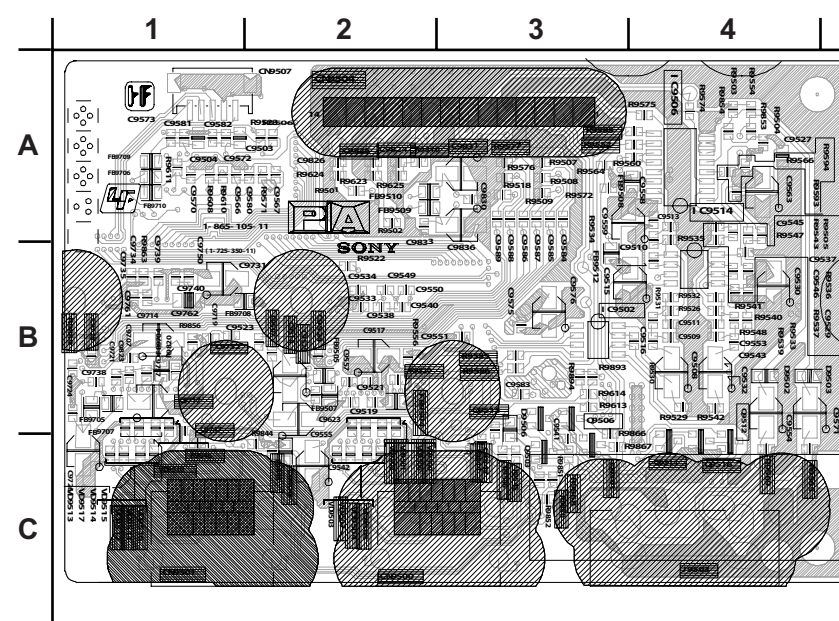
**PA** [HDMI RECEIVER]

# COMPONENT SIDE

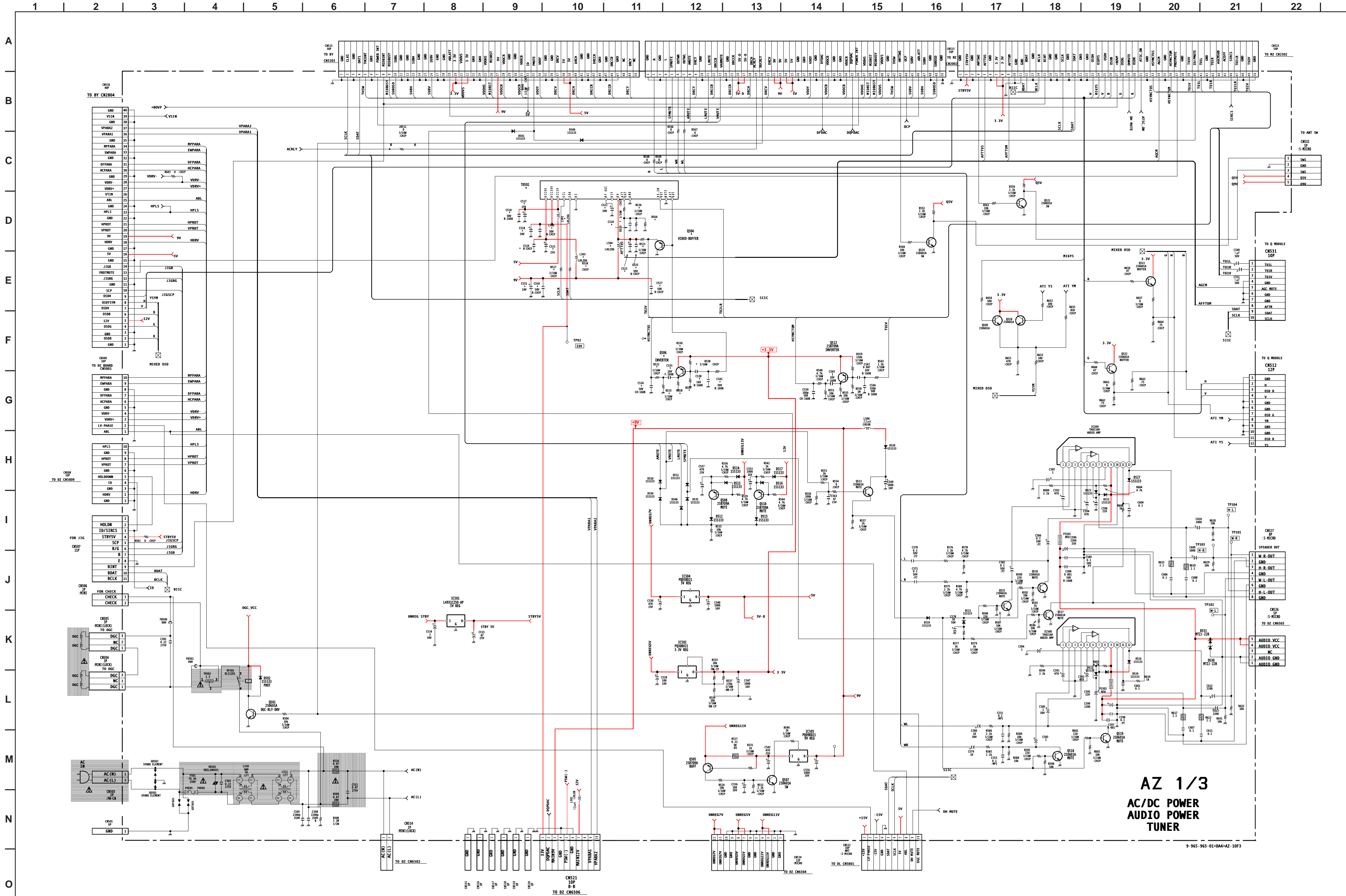


**PA** [HDMI RECEIVER]

# CONDUCTOR SIDE







AZ BOARD IC VOLTAGE LIST

IC501		IC508		8	5.1	6	5.0	IC6900		IC6901	
PIN	VOLT	PIN	VOLT	9	24.0	7	5.0	PIN	VOLT	PIN	VOLT
I	7.0	1	1.6	10	0.0	8	5.0	1	2.6	1	2.5
O	5.0	2	0.1	11	4.4	9	5.0	2	1.8	2	GND
GND	GND	3	GND	12	10.7	10	12.0	3	2.2	3	6.0
IC502		IC900		11	4.5	4	2.5	IC6902			
PIN	VOLT	PIN	VOLT	12	5.0	5	GND	PIN	VOLT		
I	5.0	6	7.9	1	3.3	13	5.0	6	0.0	I	6.9
O	3.3	7	11.0	2	3.3	14	1.2	7	4.6	O	5.0
GND	GND	8	5.1	3	0.1	15	5.0	8	17.9	GND	GND
4	3.4	9	24.0	4	-15.7	16	4.6	9	0.0	VC	2.6
IC504		10	0.0	5	GND	17	4.6	10	10.5	All voltages are in V.	
PIN	VOLT	11	4.4	6	15.3	18	GND	11	GND		
I	7.0	12	10.6	7	N/C	IC904		12	4.8		
O	5.0	IC509		8	3.3	PIN	VOLT	13	N/C		
GND	GND	PIN	VOLT	9	GND	1	0.4	14	151.8		
4	N/C	1	1.6	IC903		2	3.4	15	142.2		
IC505		2	0.1	PIN	VOLT	3	4.9	16	146.3		
PIN	VOLT	3	GND	1	4.9	4	GND	17	N/C	306.1	
I	11.0	4	0.1	2	4.9	5	6.1	18			
O	9.0	5	1.6	3	4.9	6	4.9				
GND	GND	6	8.0	4	4.9	7	0.4				
4	2.3	7	11.0	5	N/C	8	12.0				

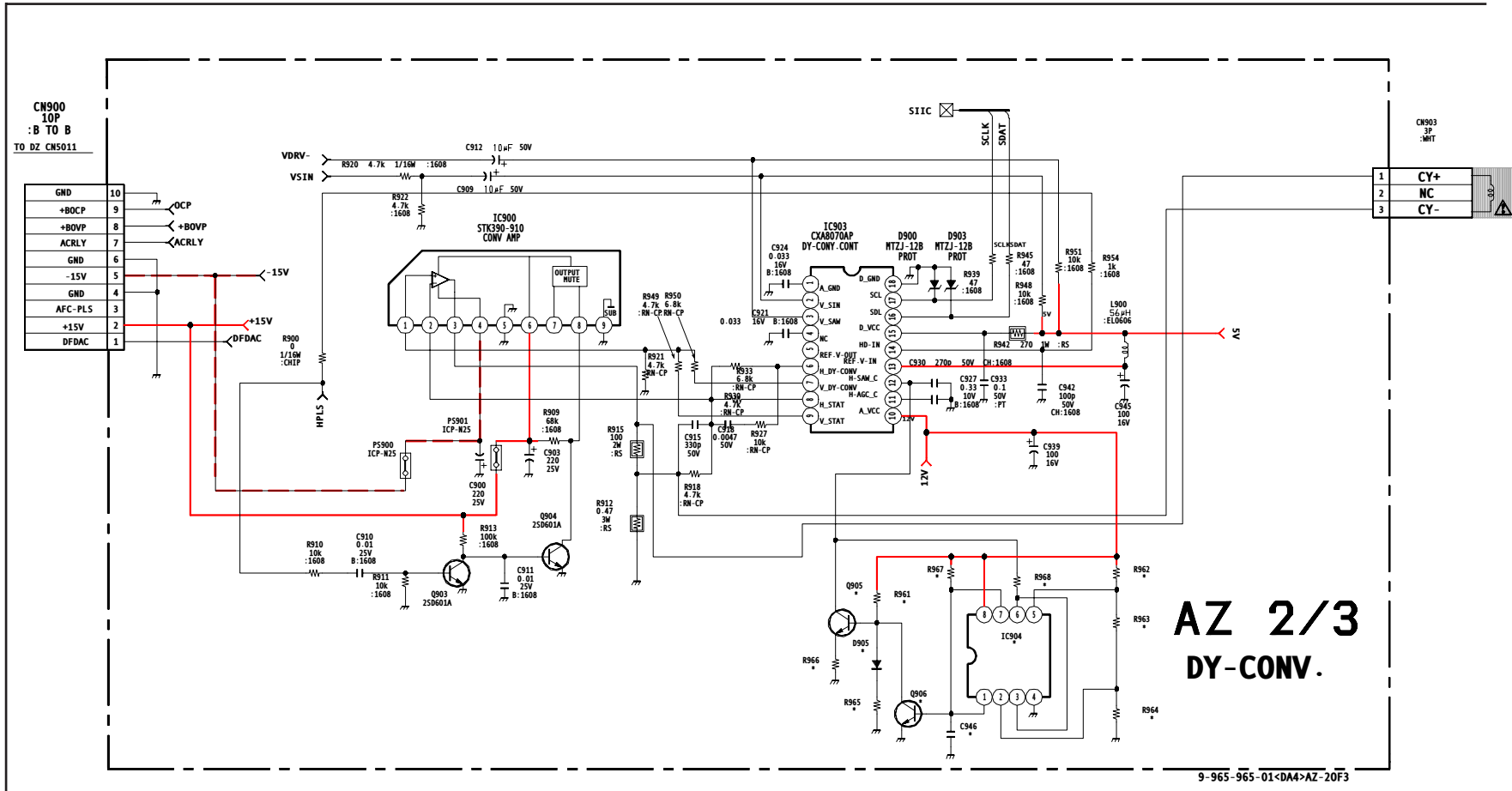
All voltages are in V.

AZ BOARD TRANSISTOR VOLTAGE LIST

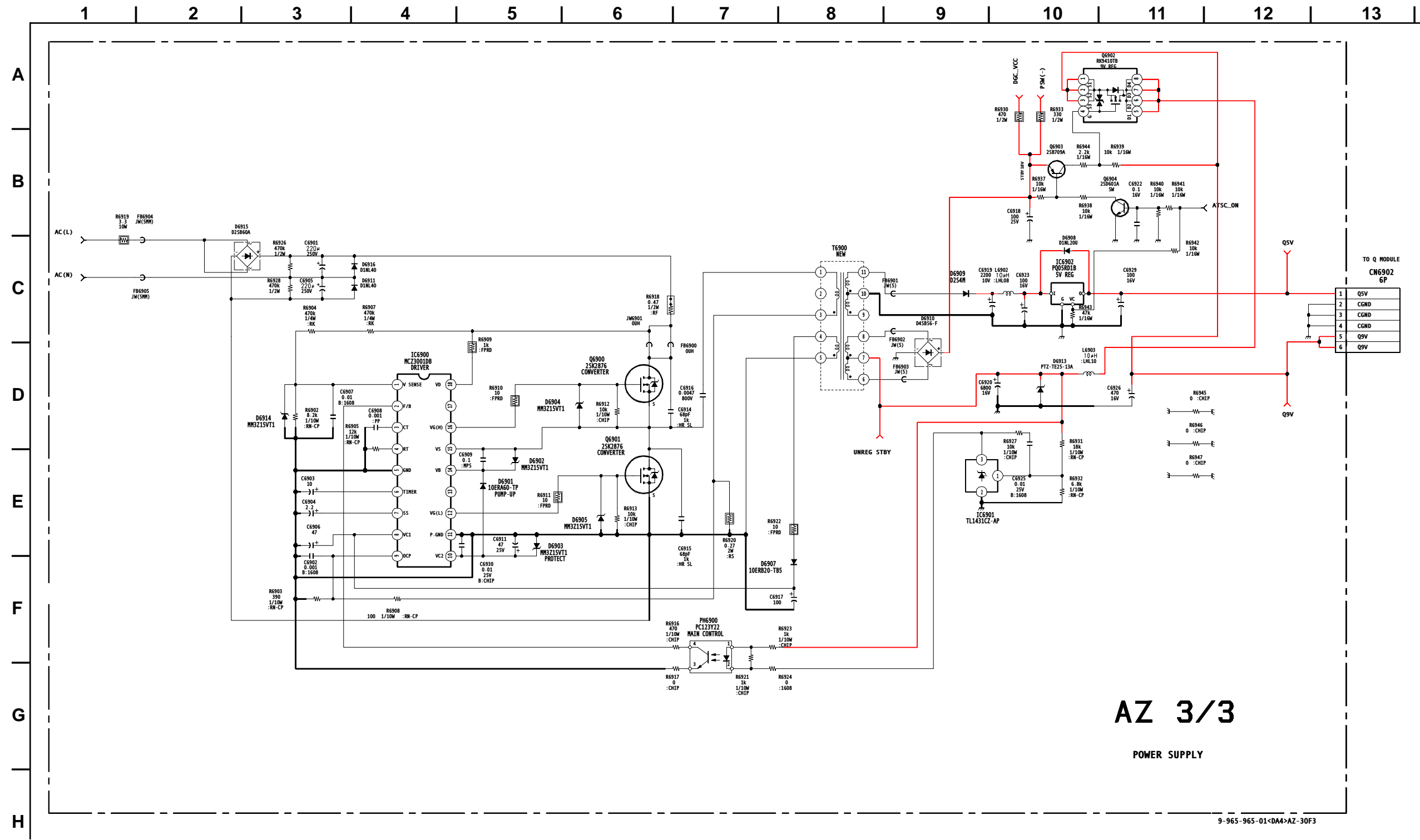
		B	C	E			D	G	S
Q501		0.1	19.4	GND	Q6900		10.9	128.8	135.0
Q504		3.9	GND	4.5	Q6901		63.9	3.8	GND
Q505		10.0	0.1	11.0					
Q506		3.5	0.5	3.3					
Q507		0.1	2.3	GND					
Q508		10.5	0.3	0.0					
Q509		0.0	3.3	0.7					
Q510		12.0	0.0	12.0					
Q511		0.0	3.3	0.0					
Q512		3.3	0.5	3.3					
Q513		0.0	9.0	0.0					
Q514		5.9	GND	6.5					
Q515		0.0	0.0	GND					
Q516		0.0	0.0	GND					
Q517		0.0	4.4	GND					
Q518		0.0	0.0	GND					
Q519		0.0	0.0	GND					
Q520		0.0	4.3	GND					
Q521		0.0	4.3	GND					
Q522		0	3.3	0					
Q528		0.8	3.3	0.7					
Q905		0.0	4.9	0.6					
Q906		0.0	0.9	GND					
Q6903		18.1	18.8	18.8					
Q6904		0.6	0	GND					

All voltages are in V.

## AZ BOARD SCHEMATIC DIAGRAM (2 OF 3)



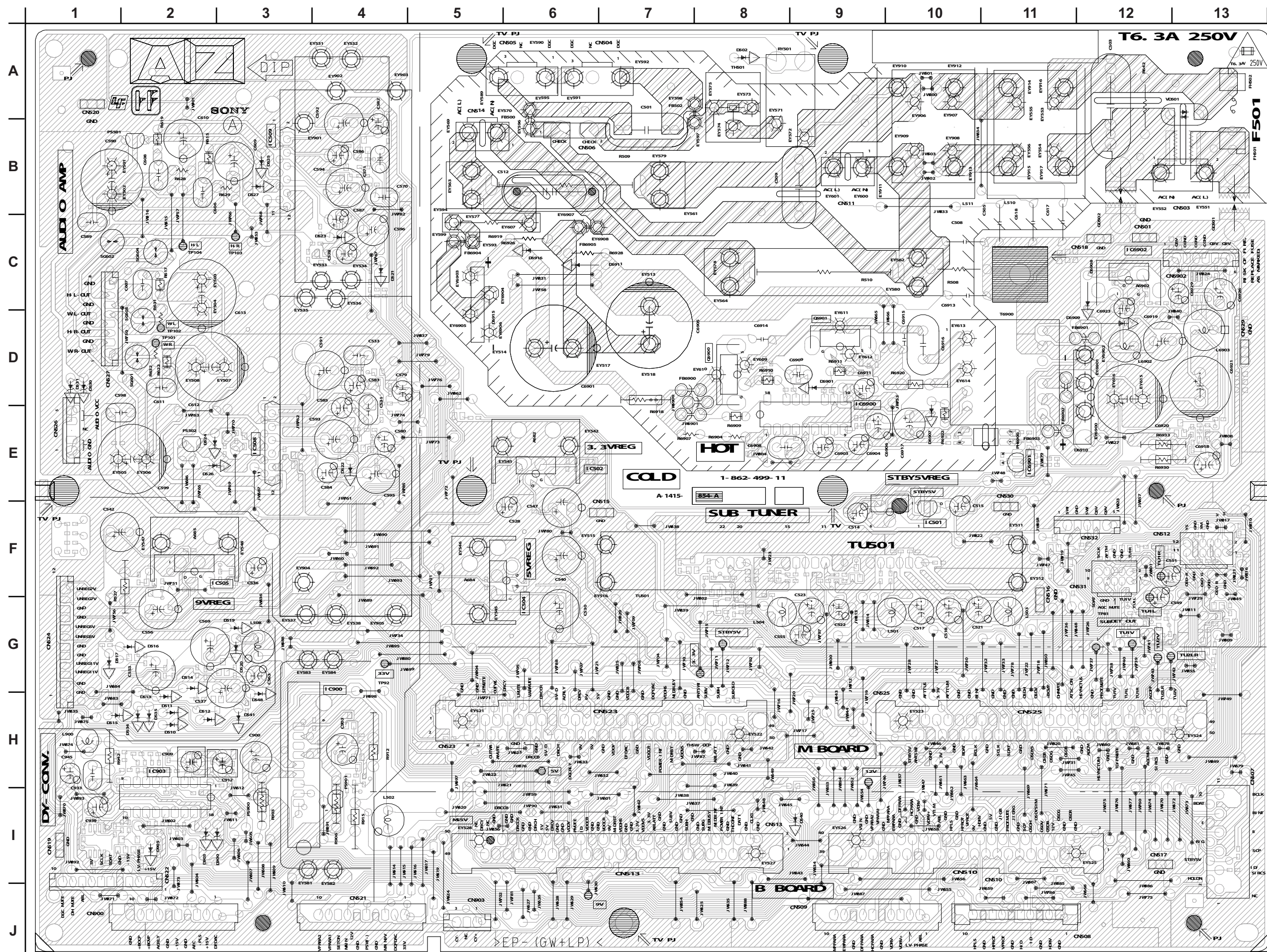
AZ BOARD SCHEMATIC DIAGRAM (3 OF 3)





[AC/DC POWER, AUDIO POWER,  
TUNER, DY-CONV, POWER SUPPLY]

## COMPONENT SIDE





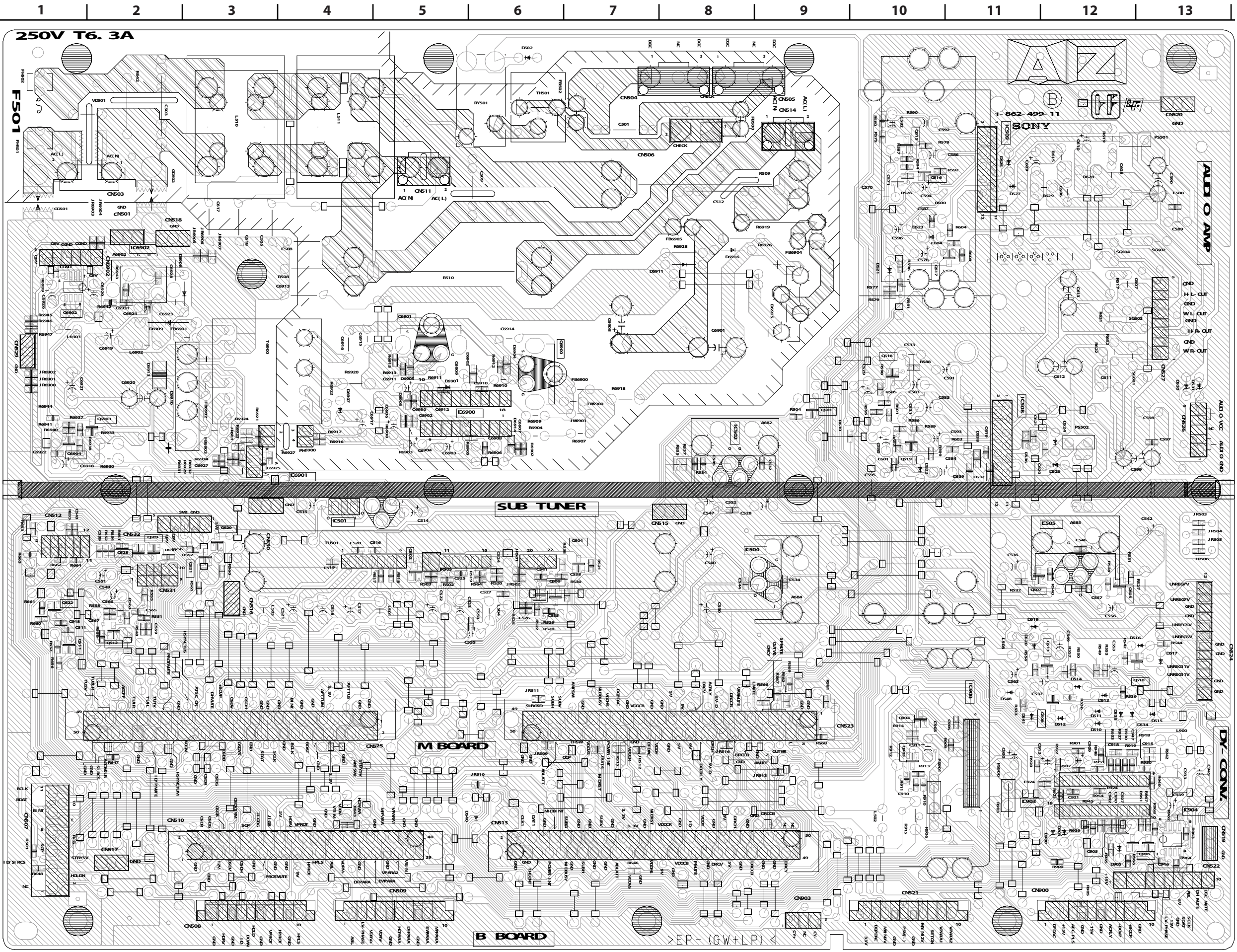


[AC/DC POWER, AUDIO POWER, TUNER,  
DY-CONV, POWER SUPPLY]

CONDUCTOR SIDE

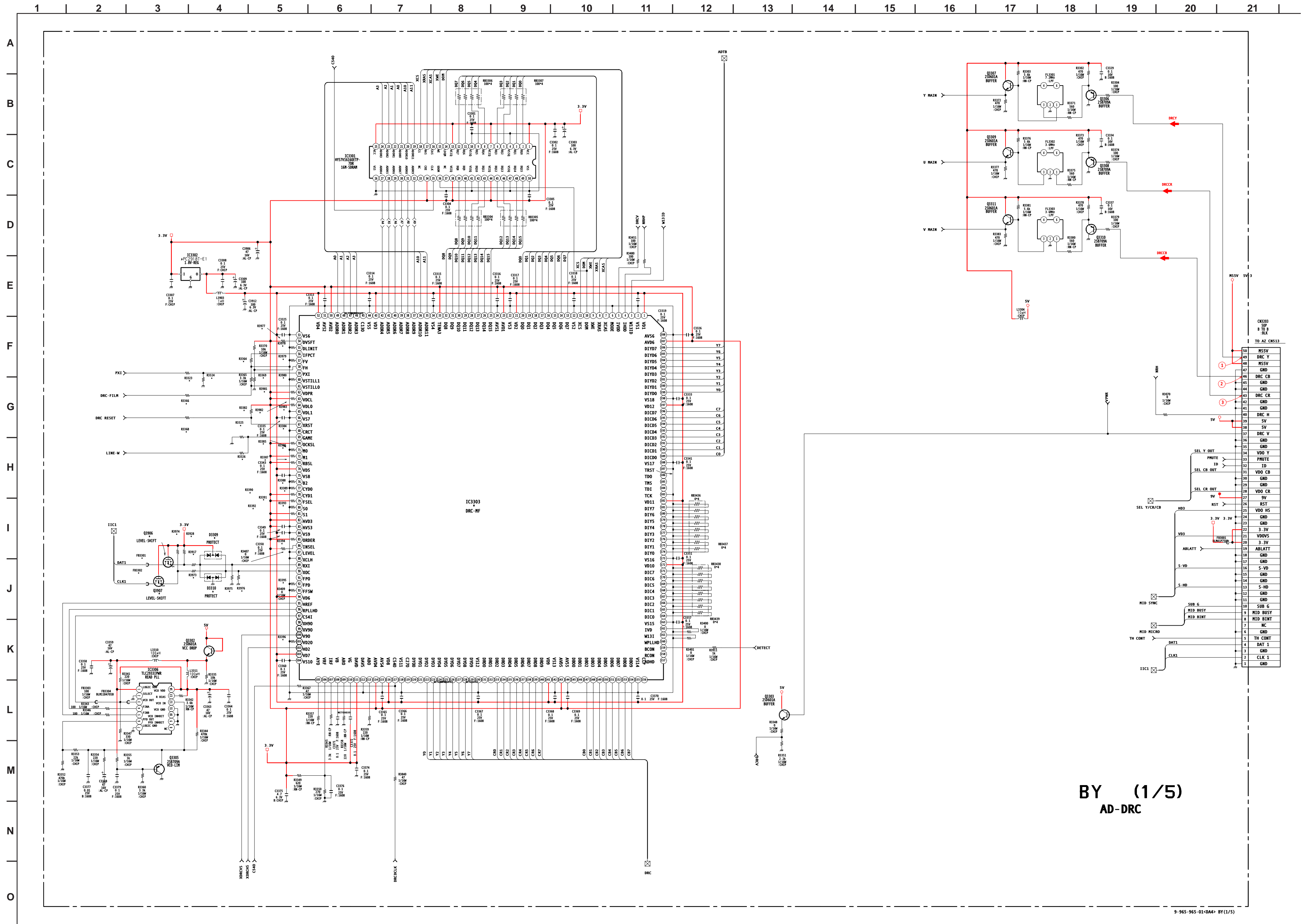
AZ BOARD LOCATOR LIST  
(CONDUCTOR SIDE)

DIODE		IC	
D502	A-6	IC501	C-8
D510	H-12	IC502	C-8
D511	H-12	IC504	D-9
D512	H-12	IC505	F-9
D513	G-12	IC508	E-11
D514	G-12	IC509	B-11
D515	H-13	IC903	I-11
D516	G-13	IC904	I-13
D517	G-13	IC6900	E-6
D519	G-12	IC6901	E-4
D520	G-12	IC6902	C-2
D521	C-10	TRANSISTOR	
D522	E-10	Q501	E-9
D523	C-10	Q504	F-7
D524	E-12	Q505	G-12
D525	B-11	Q506	F-6
D526	E-12	Q507	F-11
D527	C-11	Q508	H-12
D530	D-13	Q509	F-3
D531	D-13	Q510	G-13
D534	H-12	Q511	G-2
D535	H-11	Q512	G-2
D540	I-6	Q513	G-12
D541	H-11	Q515	B-10
D548	H-11	Q516	B-10
D900	I-11	Q517	C-10
D903	I-12	Q518	D-10
D905	I-12	Q519	E-10
D6901	D-5	Q520	F-3
D6902	D-6	Q521	F-3
D6903	E-5	Q522	G-2
D6904	D-6	Q528	F-2
D6905	D-5	Q903	H-10
D6907	E-4	Q904	H-10
D6908	C-3	Q905	I-12
D6909	D-3	Q906	I-13
D6910	D-2	Q6900	D-6
D6911	C-8	Q6901	D-5
D6913	D-2	Q6902	D-2
D6914	E-6	Q6903	E-2
D6915	D-9	Q6904	E-2
D6916	C-8		

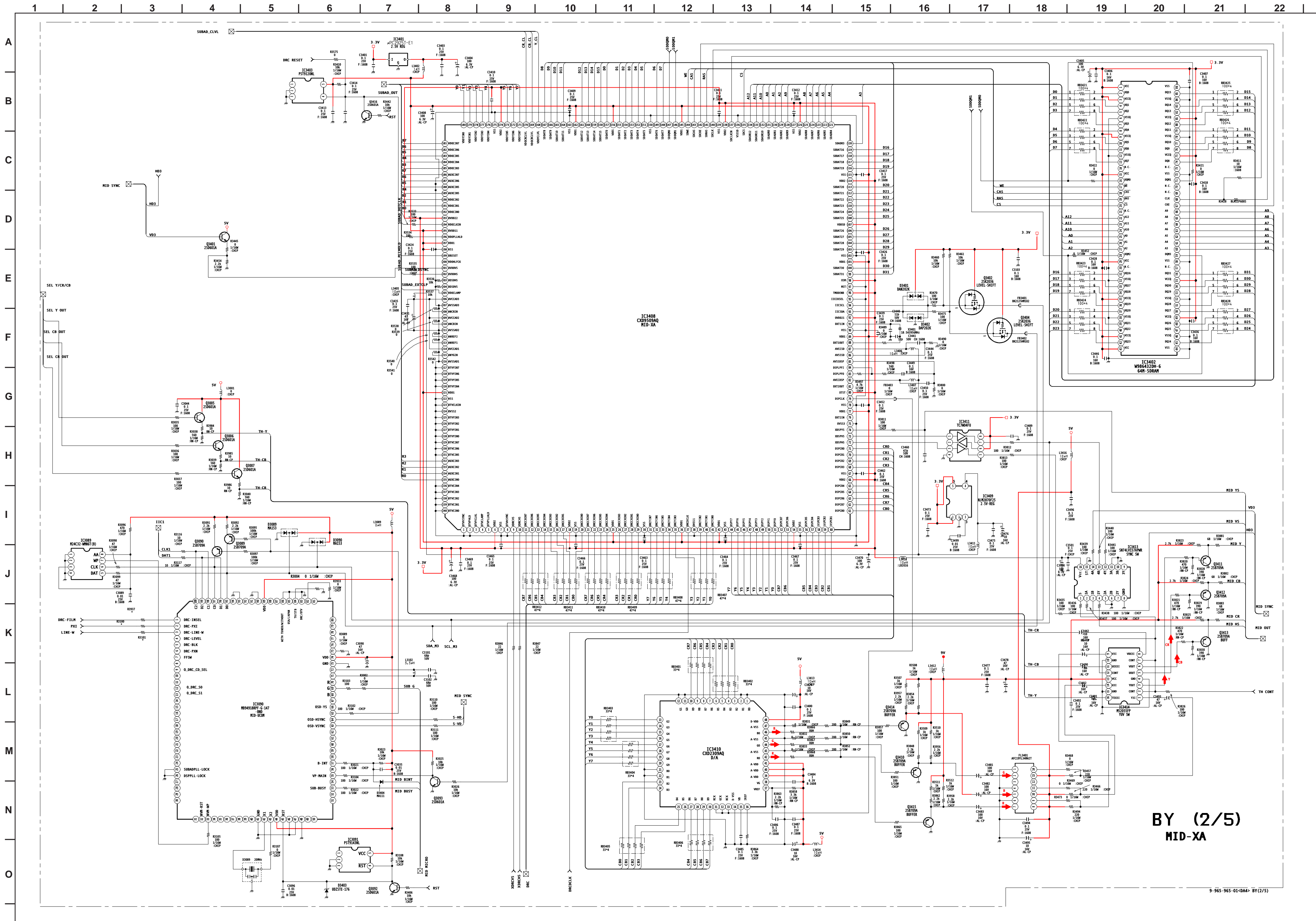




Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.



Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.



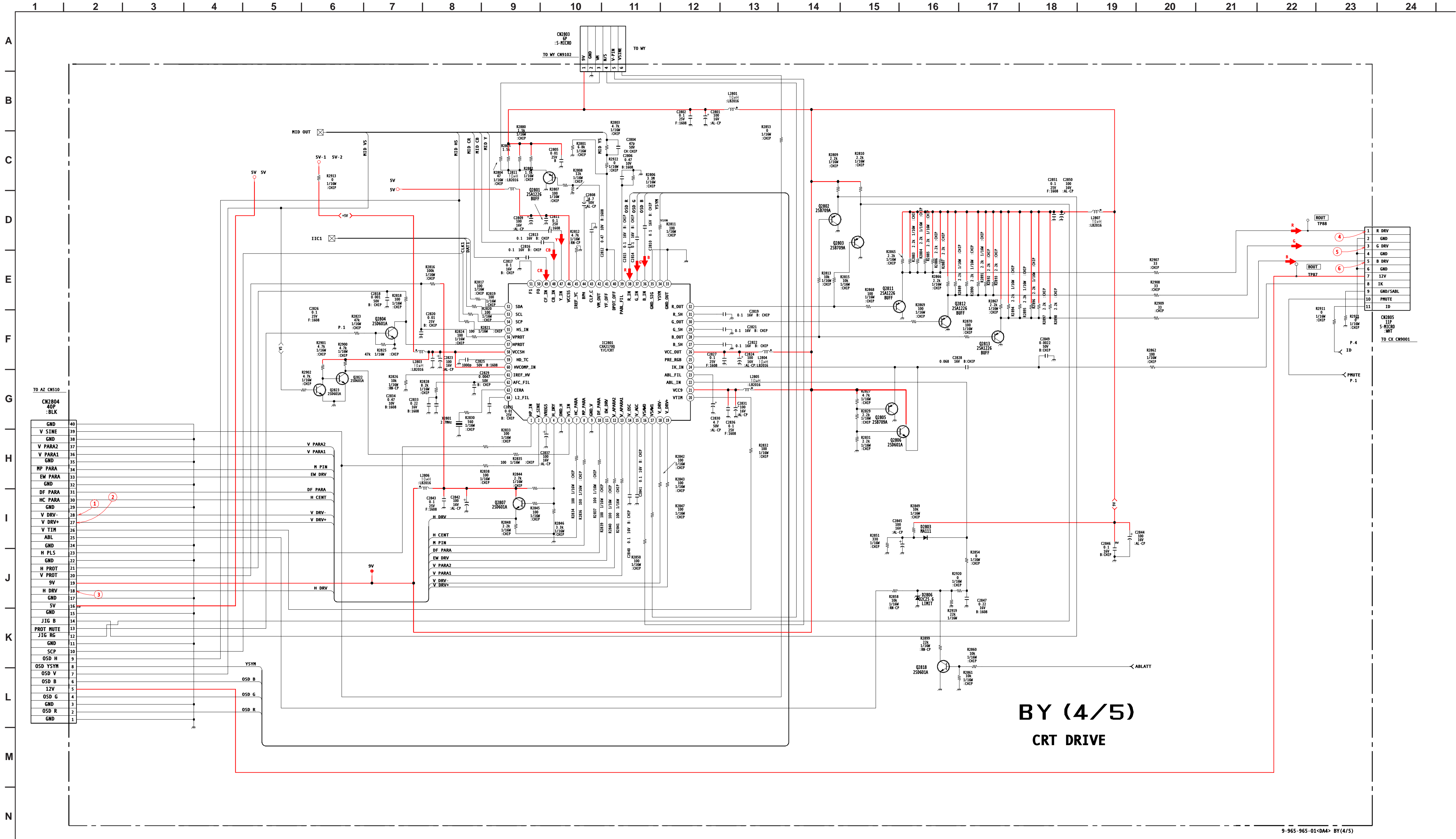
**KD-30XS955/34XBR960/34XS955/36XS955**



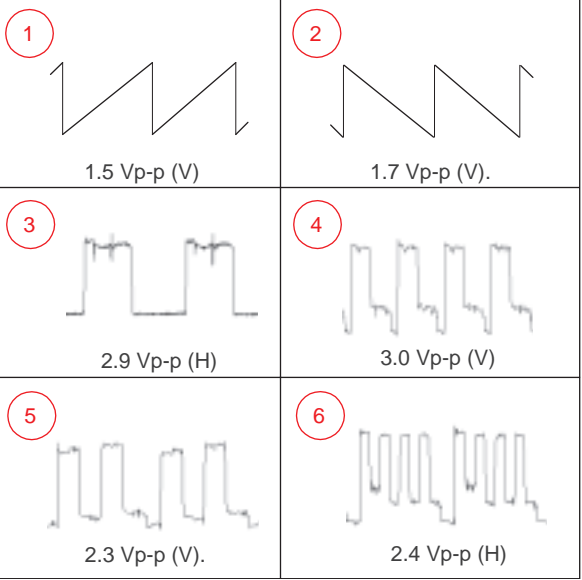


BY BOARD SCHEMATIC DIAGRAM (4 OF 5)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.  
Data is provided for reference only.

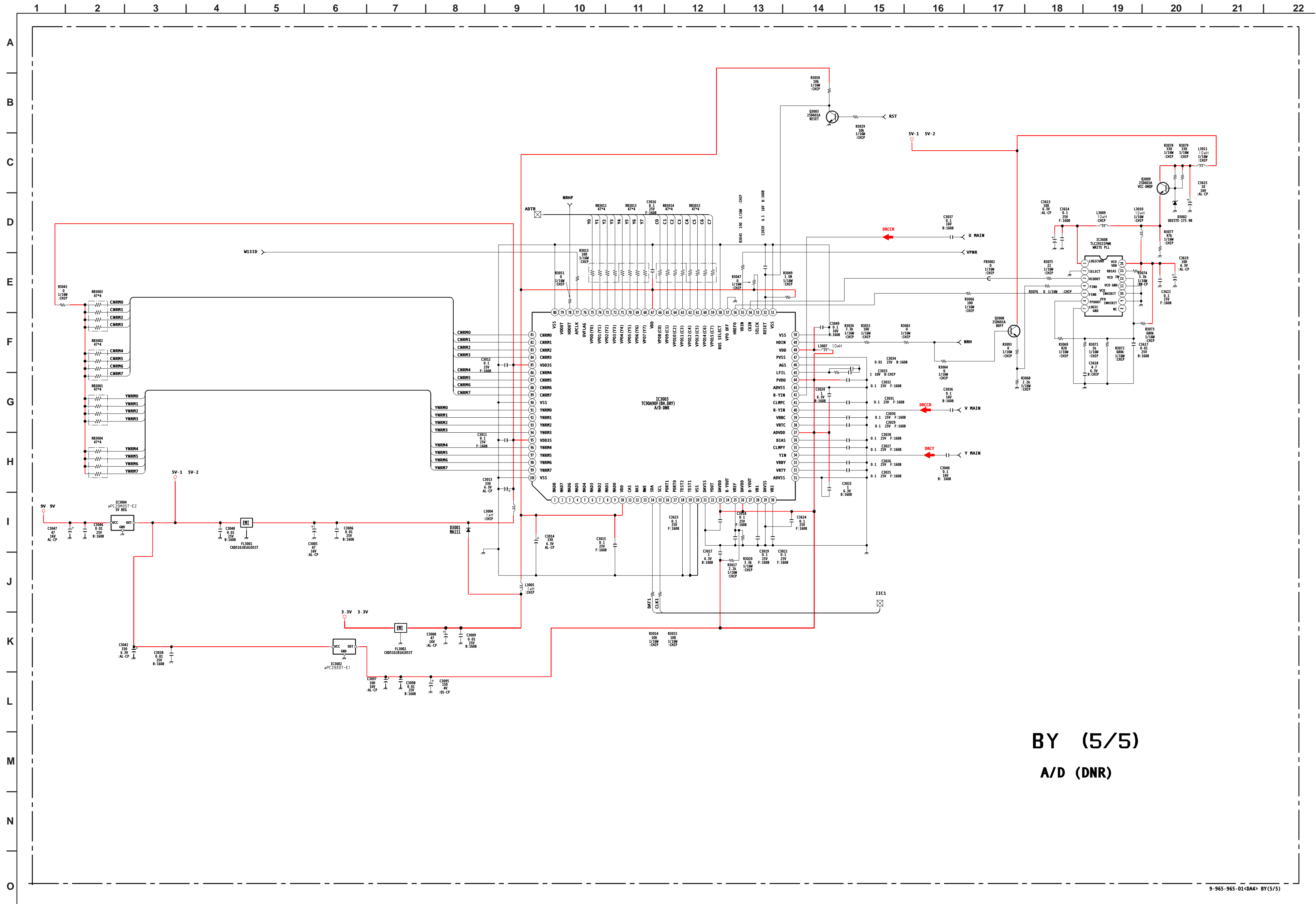


BY BOARD WAVEFORMS



BY (4/5)  
CRT DRIVE

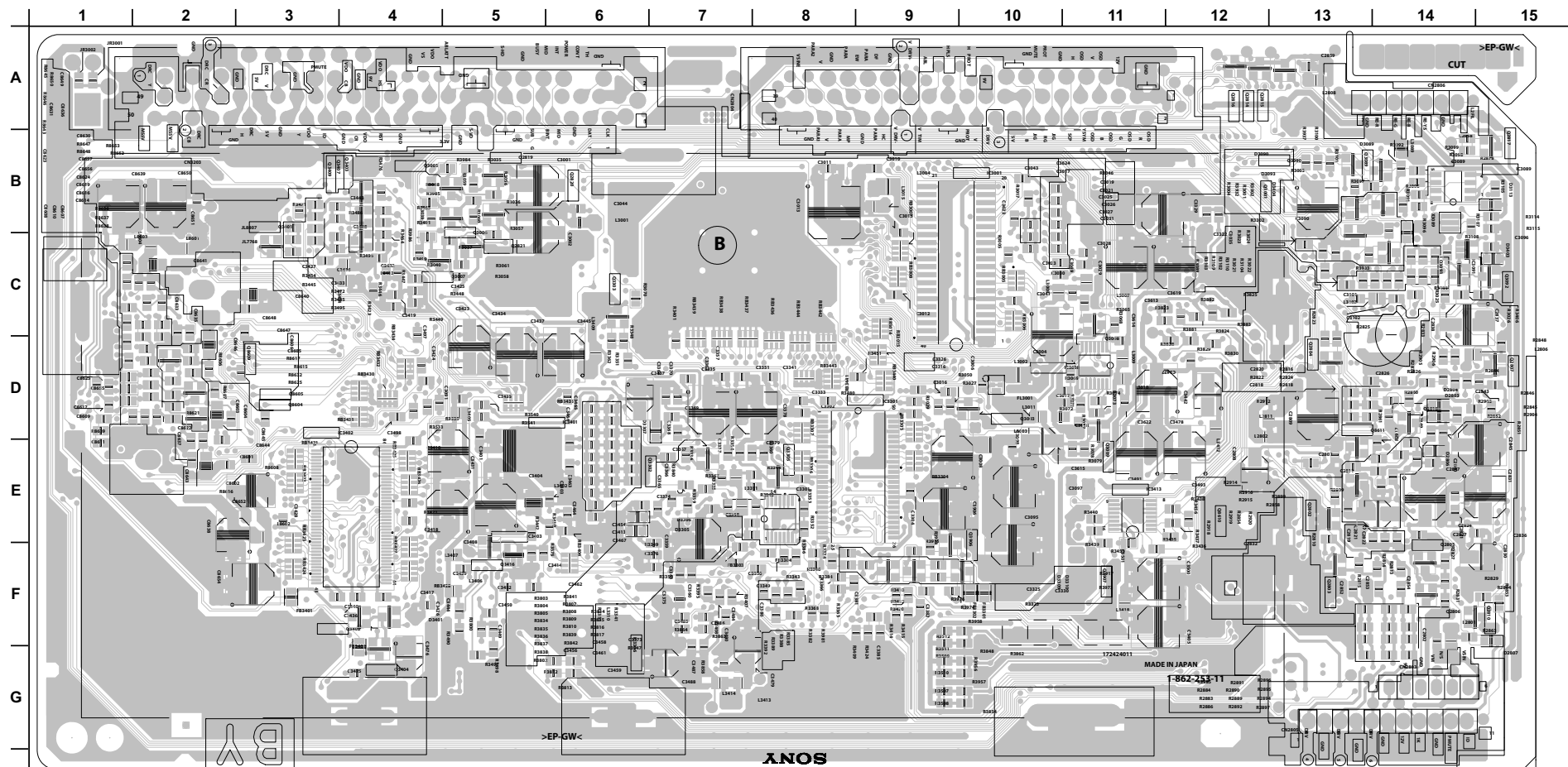
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.



## COMPONENT SIDE



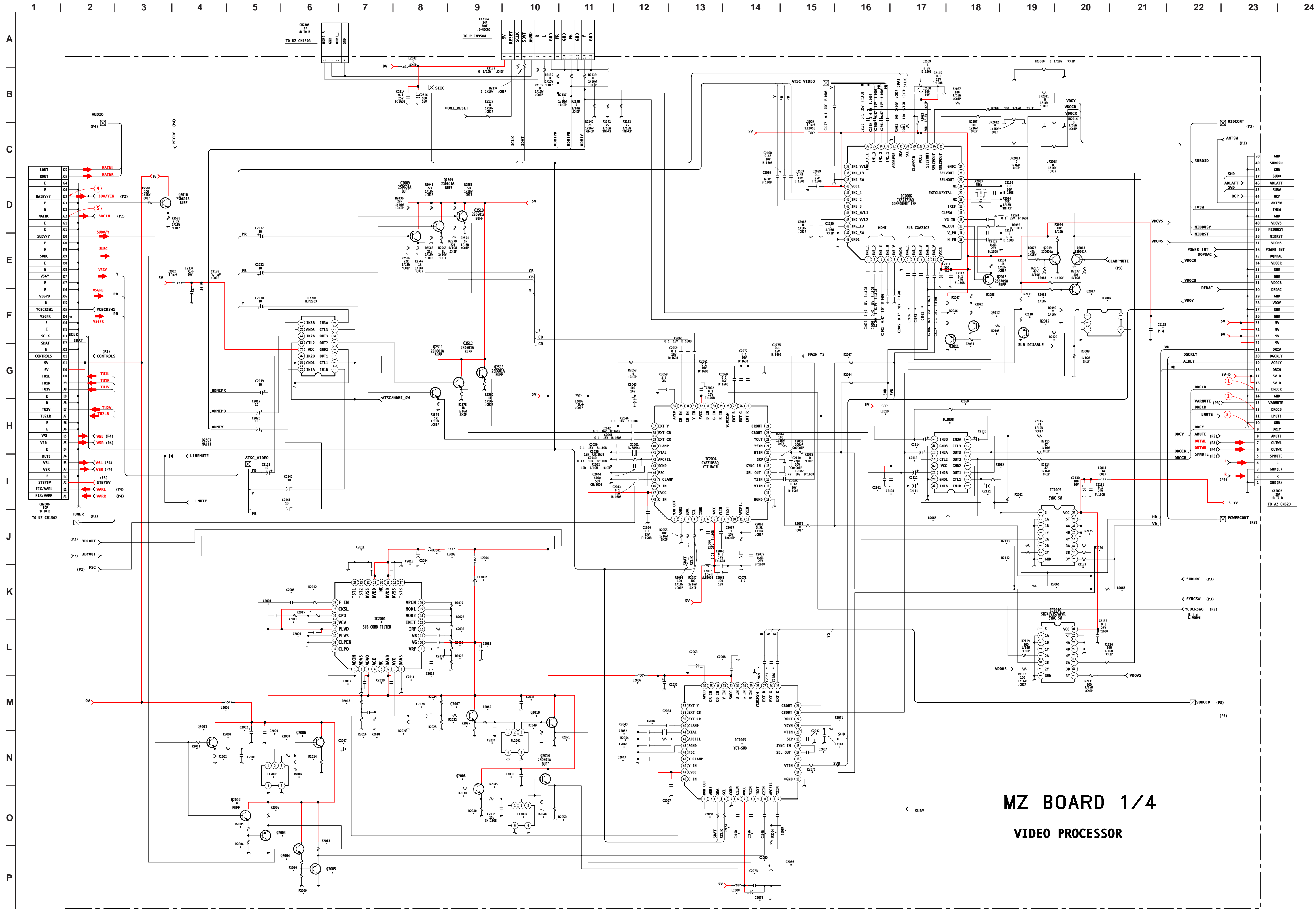
## CONDUCTOR SIDE



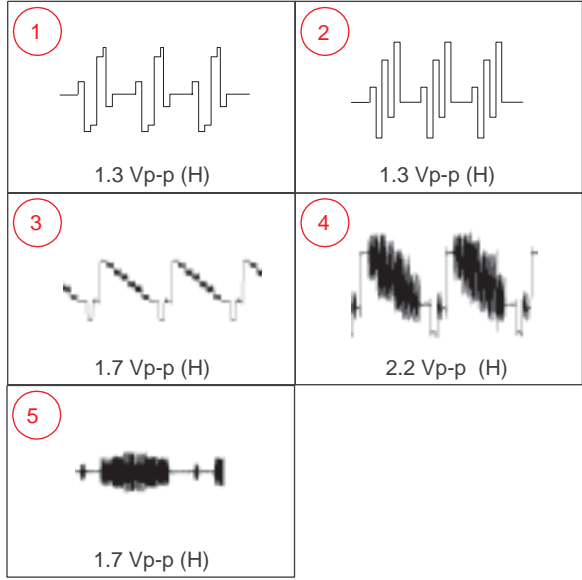


MZ BOARD SCHEMATIC DIAGRAM (1 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.  
Data is provided for reference only.



MZ BOARD WAVEFORMS



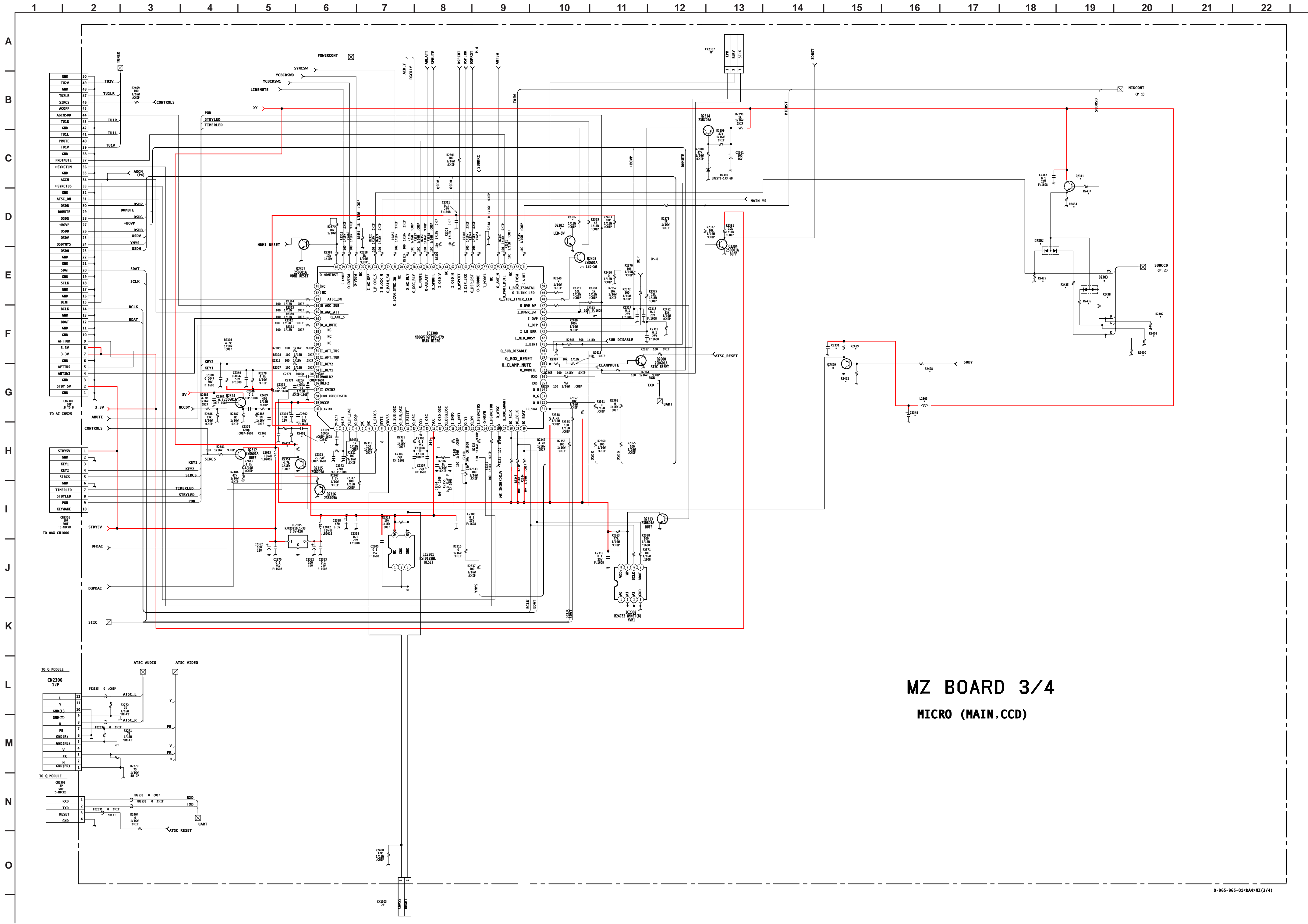
MZ BOARD 1/4  
VIDEO PROCESSOR





MZ BOARD SCHEMATIC DIAGRAM (3 OF 4)

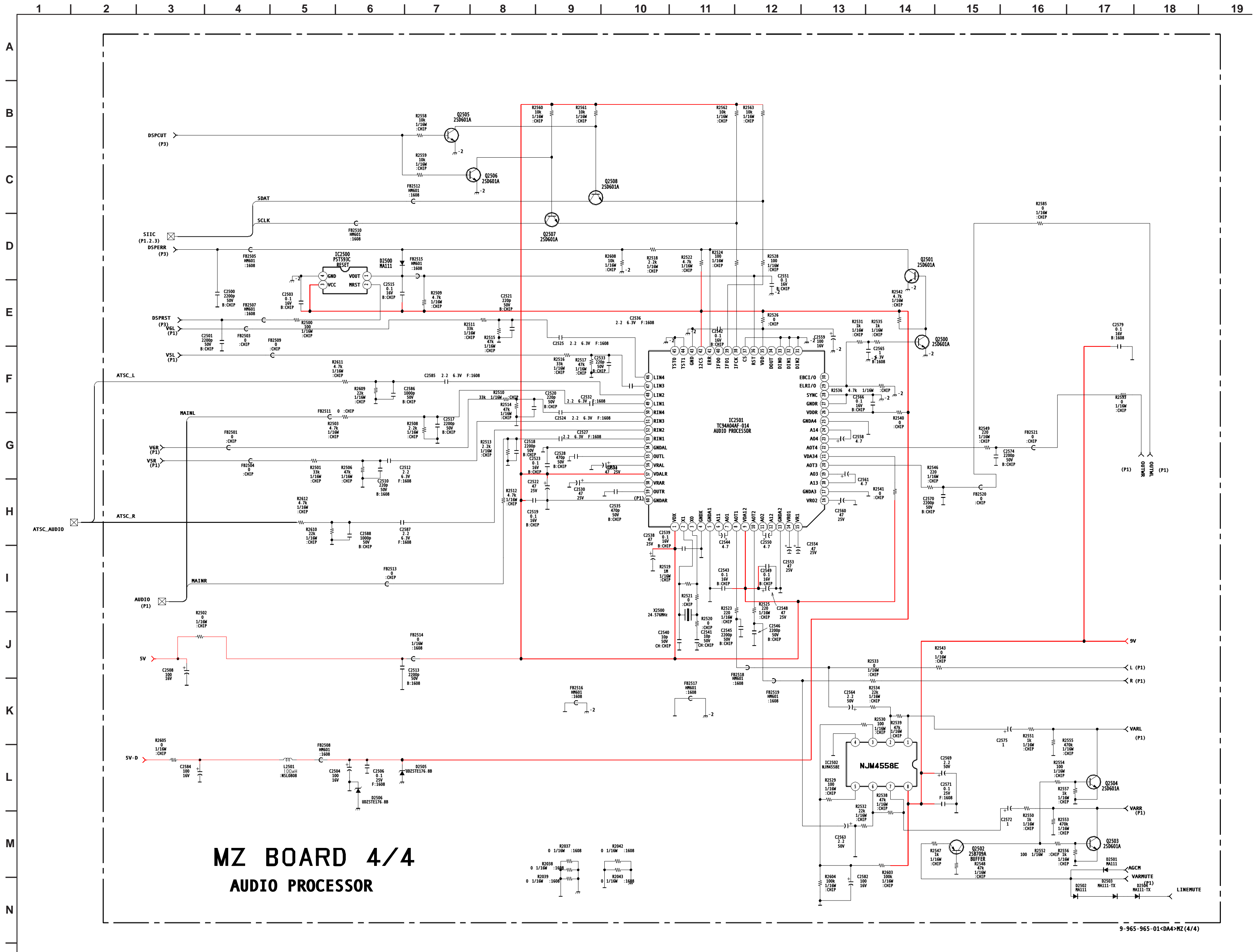
Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.  
Data is provided for reference only.



MZ BOARD 3/4  
MICRO (MAIN.CCD)

MZ BOARD SCHEMATIC DIAGRAM (4 OF 4)

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.  
Data is provided for reference only.

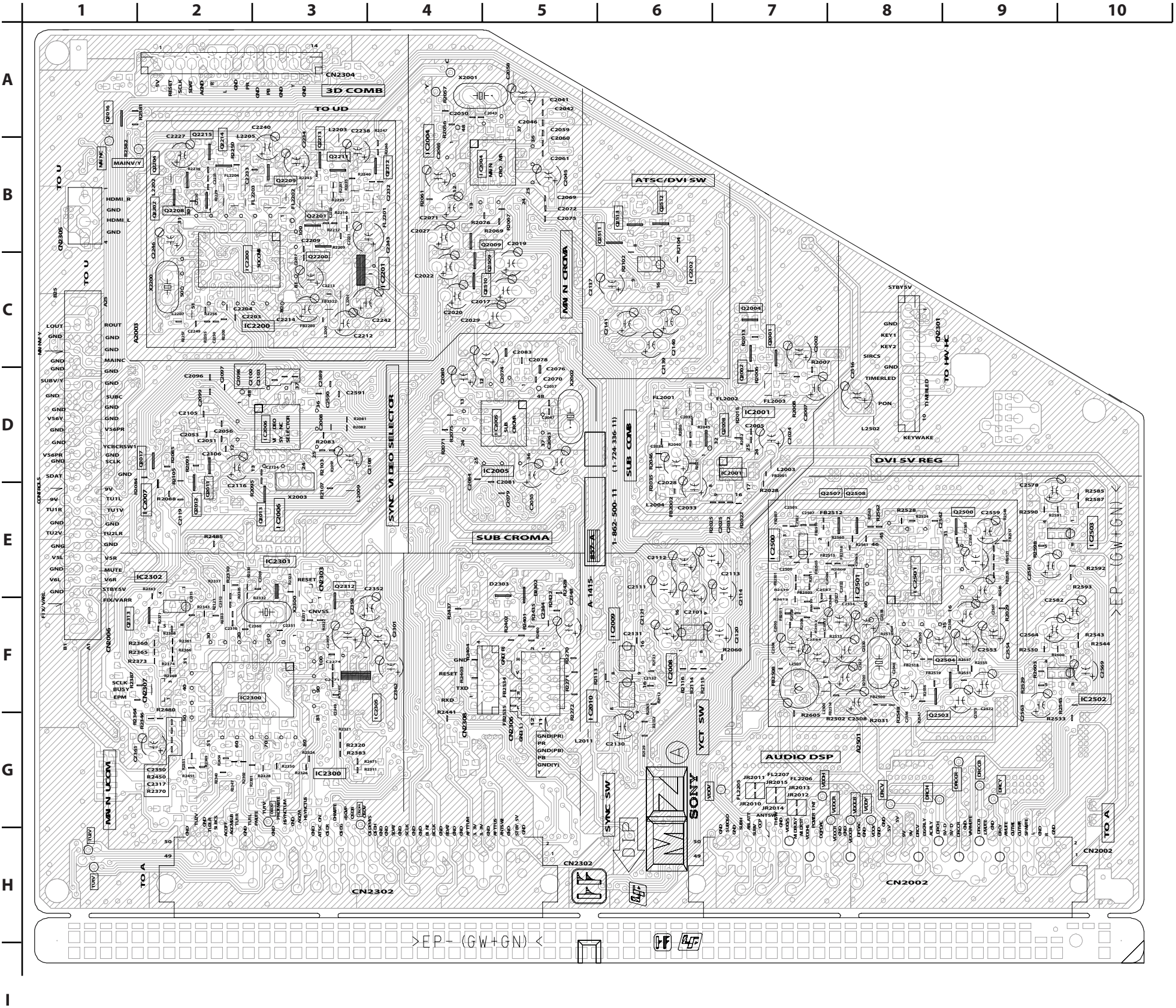






[VIDEO PROCESSOR, 3D-COMB, MICRO (MAIN, CCD), AUDIO PROCESSOR]

COMPONENT SIDE

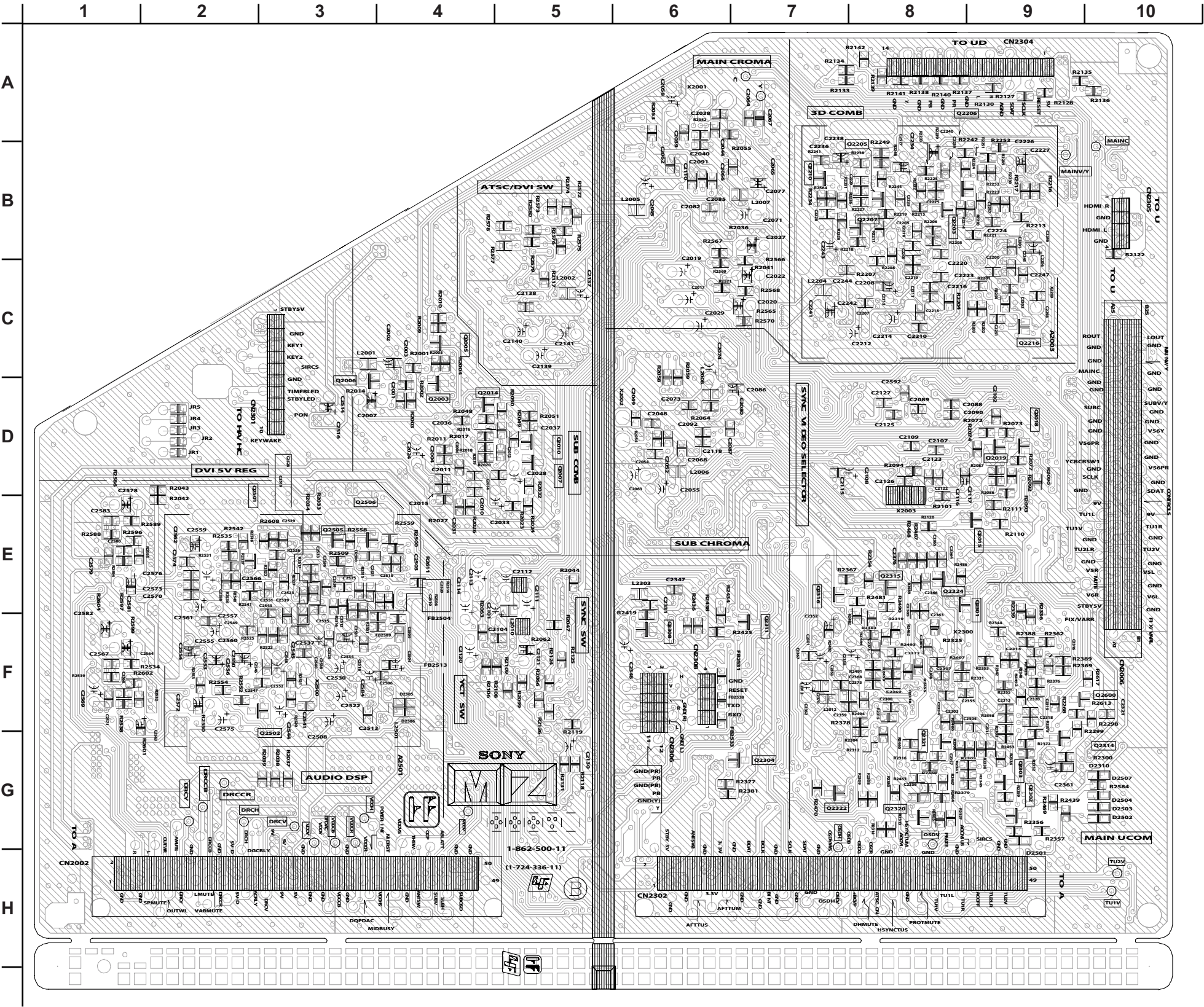






[VIDEO PROCESSOR, 3D-COMB, MICRO (MAIN, CCD), AUDIO PROCESSOR]

CONDUCTOR SIDE







All voltages are in V.

## UZ BOARD TRANSISTOR VOLTAGE LIST

All voltages are in V.

**UZ**  
**A/V SWITCH**  
**TERMINAL BLOCK**

## COMPONENT SIDE

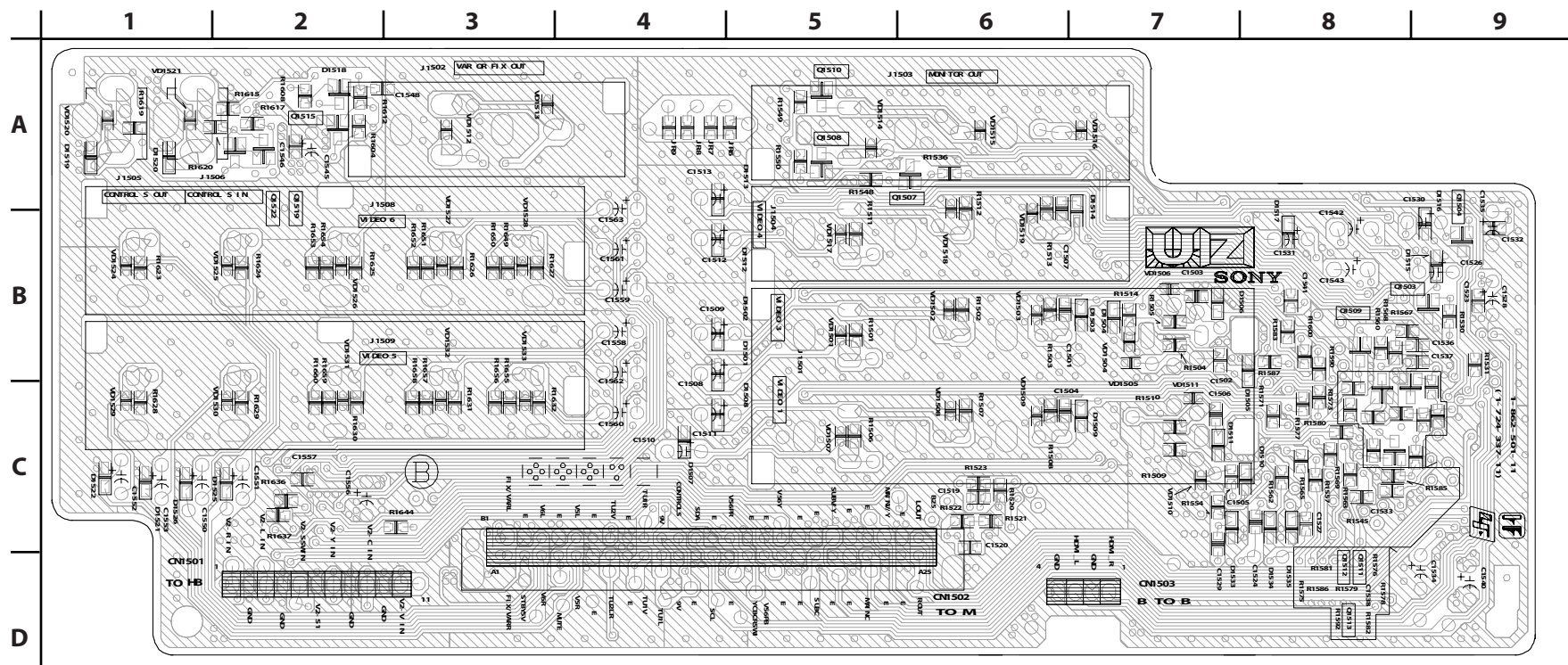


DIODE		TRANSISTOR	
D1527	C-4	Q1501	A-6
D1528	C-4	Q1502	A-6
D1529	B-4	Q1505	C-7
D1530	C-4	Q1506	C-7
D1531	B-4	Q1516	D-2
D1532	C-4	Q1518	D-3
IC		Q1520	D-2
IC1502	B-8	Q1521	C-2
IC1505	B-2	Q1523	A-6
		Q1524	B-6



[AV SWITCH, TERMINAL BLOCK]

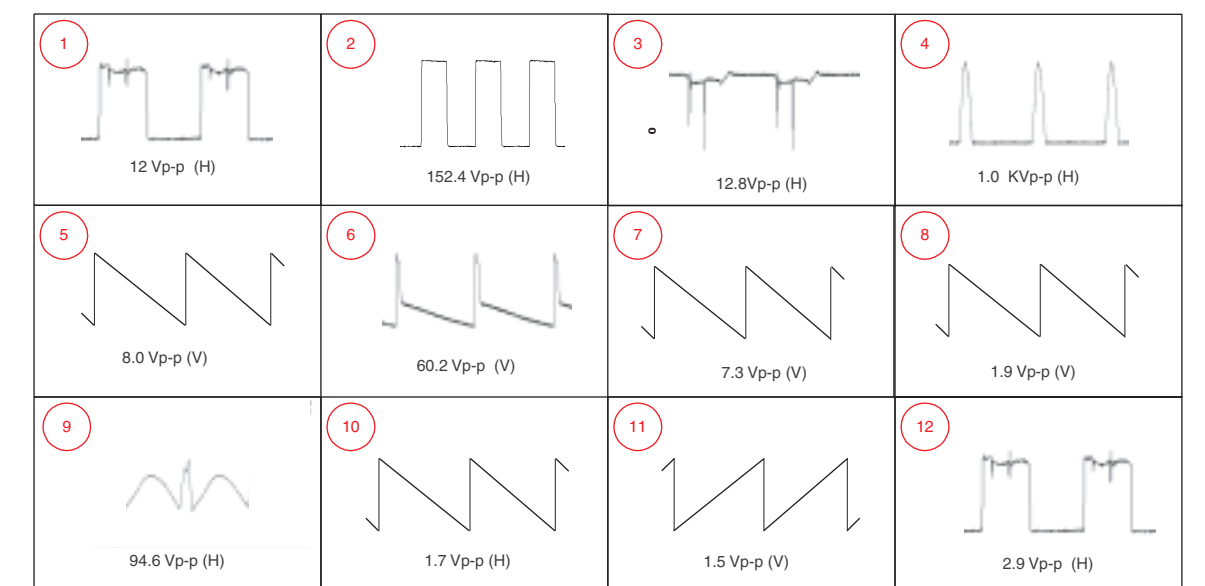
## CONDUCTOR SIDE



## UZ BOARD LOCATOR LIST (CONDUCTOR SIDE)

DIODE		DIODE		DIODE		TRANSISTOR	
D1501	C-5	D1510	C-8	D1520	A-1	Q1503	B-8
D1502	B-5	D1511	C-8	D1521	C-1	Q1504	B-9
D1503	B-7	D1512	B-5	D1522	C-1	Q1507	B-5
D1504	B-7	D1513	A-5	D1523	C-2	Q1508	A-5
D1505	C-8	D1514	B-7	D1524	C-1	Q1509	B-8
D1506	B-8	D1515	B-8	D1525	C-2	Q1510	A-5
D1507	C-4	D1516	B-9	D1526	C-1	Q1511	D-8
D1508	C-5	D1517	B-8	D1533	D-7	Q1512	D-8
D1509	C-7	D1518	A-2	D1534	D-8	Q1513	D-8
		D1519	A-1	D1535	D-8	Q1515	A-2
						Q1519	B-2
						Q1522	B-2

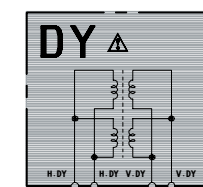




DZ (1/2)

H/V DRIVE  
H/V DY

9-965-965-01<DA4> DZ(1/2)



**CAUTION !**

IC5004 HEAT SINK IS -15V CARE MUST BE TAKEN NOT TO  
ALLOW HEAT SINK TO TOUCH ANY OTHER COMPONENTS

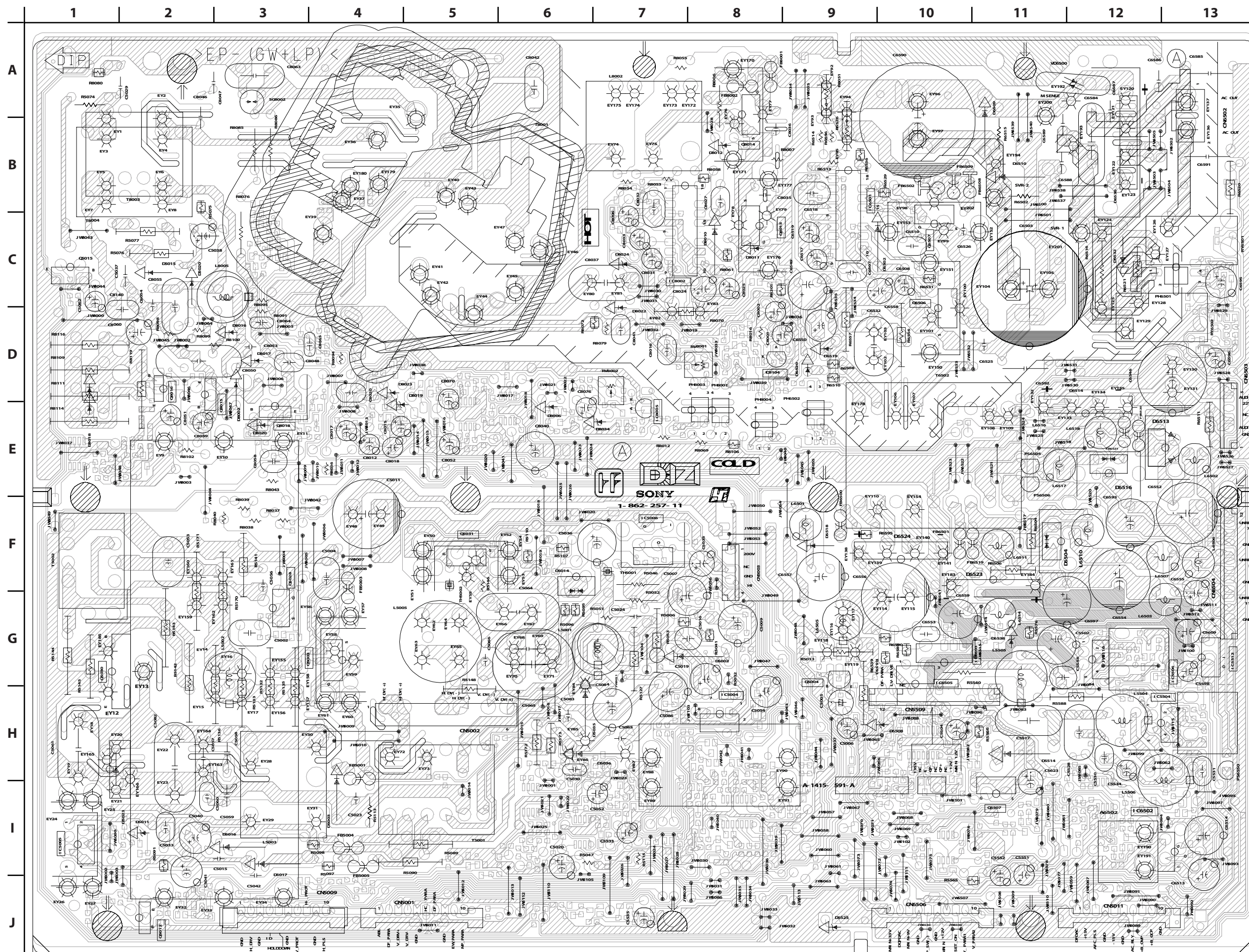


All voltages are in V.

All voltages are in V.



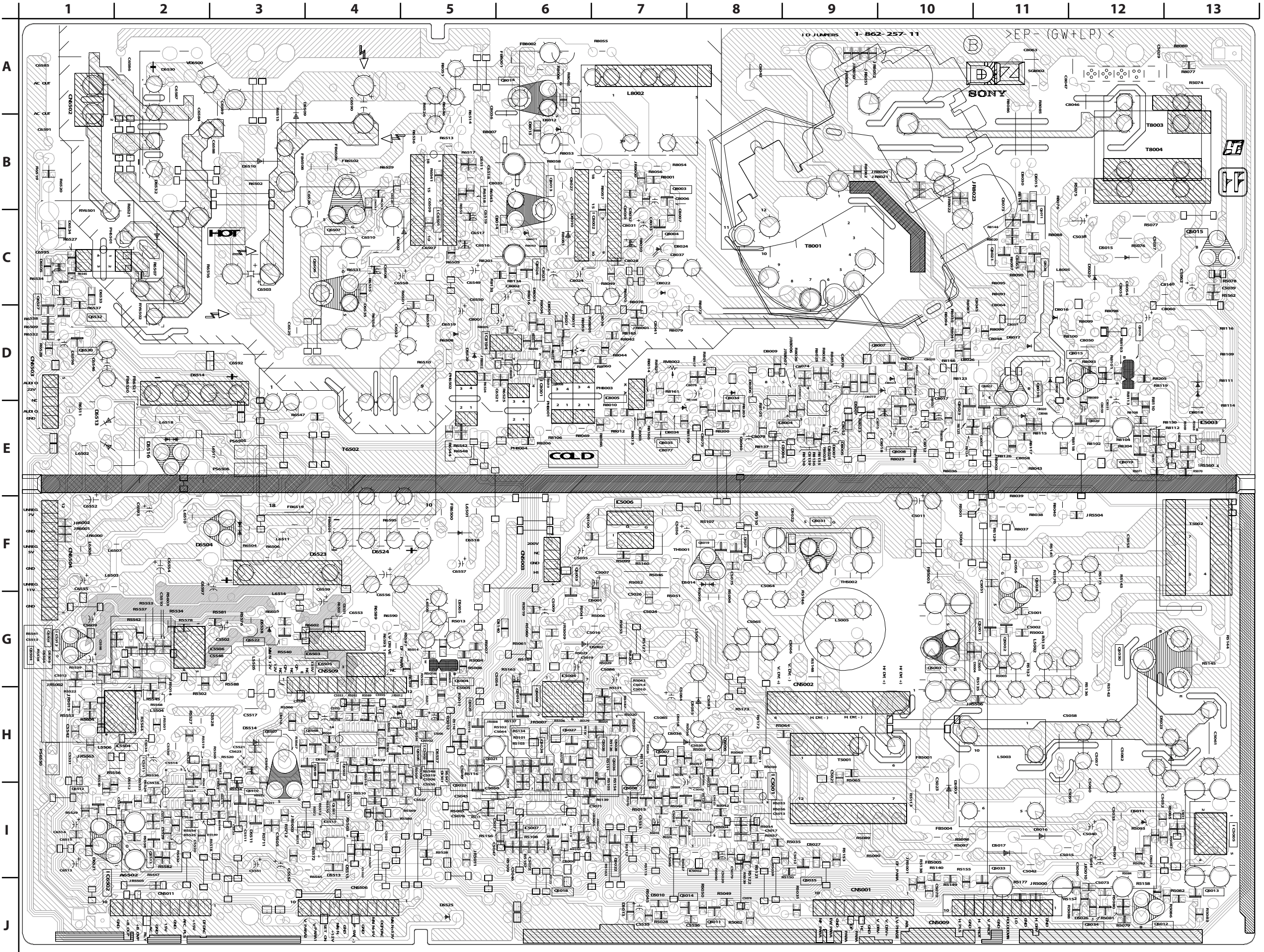
[H/V DRIVE, H/V DY, POWER  
SUPPLY, AC RECT, DEFLECTION]  
**COMPONENT SIDE**







[H/V DRIVE, H/V DY, POWER  
SUPPLY, AC RECT, DEFLECTION]  
CONDUCTOR SIDE

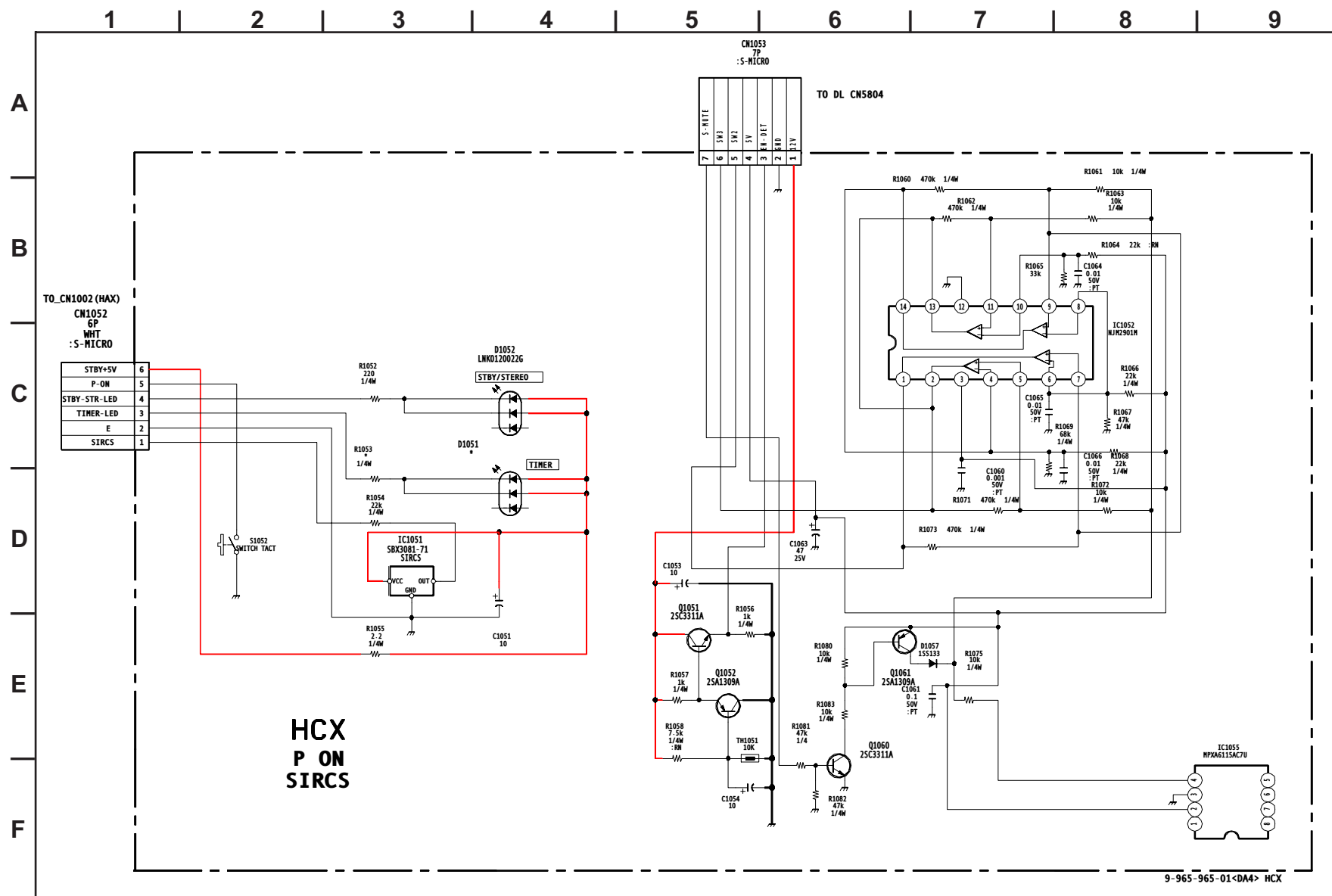




**DZ BOARD LOCATOR LIST (CONDUCTOR SIDE)**

DIODE		DIODE		IC		TRANSISTOR	
D5001	F-7	D6533	C-1	IC8004	E-9	Q6507	C-4
D5002	G-7	D6534	C-1	IC8005	D-7	Q6522	G-3
D5003	H-10	D6537	H-5	IC8006	E-9	Q6527	C-1
D5004	G-11	D6538	G-3	IC8104	D-6	Q6530	D-1
D5005	G-5	D8001	D-6	TRANSISTOR		Q6532	D-1
D5006	I-6	D8002	D-11	Q5001	F-11	Q8003	B-7
D5007	E-9	D8003	C-6	Q5002	F-11	Q8004	C-7
D5008	I-8	D8005	E-9	Q5003	G-10	Q8007	D-9
D5010	J-7	D8006	D-8	Q5004	G-5	Q8008	E-10
D5011	I-12	D8007	E-9	Q5005	F-6	Q8011	B-11
D5014	F-8	D8009	D-8	Q5006	H-8	Q8013	B-6
D5015	C-12	D8010	C-6	Q5007	H-7	Q8014	A-6
D5016	I-11	D8011	C-6	Q5008	I-7	Q8015	D-12
D5017	I-11	D8012	B-6	Q5009	G-6	Q8016	D-12
D5018	H-7	D8013	B-6	Q5010	G-6	Q8018	D-11
D5019	H-6	D8014	B-5	Q5011	J-8	Q8019	E-12
D5023	H-13	D8015	B-11	Q5012	J-12	Q8020	E-12
D5027	I-9	D8016	D-10	Q5013	J-13	Q8021	C-11
D5028	H-7	D8017	D-11	Q5014	J-8	Q8022	D-11
D5032	I-12	D8018	E-13	Q5015	C-13	Q8023	D-10
D5035	H-8	D8019	D-10	Q5018	J-6	Q8028	C-11
D5036	H-8	D8022	C-7	Q5019	F-8	Q8034	D-8
D5501	H-5	D8023	D-10	Q5020	F-8	Q8035	E-7
D5502	H-4	D8024	C-7	Q5021	H-6		
D5504	G-1	D8026	D-10	Q5022	I-7		
D5506	H-5	D8028	E-9	Q5023	H-5		
D5508	G-1	D8030	B-11	Q5024	H-6		
D5511	I-3	D8034	E-7	Q5025	H-5		
D5512	I-2	D8140	G-6	Q5026	H-7		
D5513	I-4	IC		Q5027	H-6		
D5514	H-3	IC5001	I-9	Q5028	F-11		
D5515	I-4	IC5002	I-8	Q5030	G-12		
D6502	C-4	IC5003	E-13	Q5031	F-9		
D6504	F-3	IC5004	G-6	Q5035	H-9		
D6505	C-1	IC5005	I-13	Q5036	H-7		
D6508	H-5	IC5006	F-7	Q5501	I-4		
D6509	A-3	IC5007	I-6	Q5502	H-4		
D6510	B-3	IC5502	H-5	Q5503	H-4		
D6513	D-2	IC5504	H-2	Q5504	G-1		
D6514	D-3	IC5506	G-3	Q5505	G-1		
D6516	E-2	IC5511	H-2	Q5506	H-5		
D6518	F-5	IC5512	G-1	Q5507	H-3		
D6519	D-5	IC5515	I-4	Q5510	H-3		
D6520	D-5	IC6501	C-5	Q5512	I-1		
D6521	I-1	IC6502	J-1	Q5513	I-2		
D6523	F-4	IC6503	F-4	Q5568	H-4		
D6524	F-4	IC6505	G-4	Q5569	H-4		
D6525	F-4	IC8001	D-6	Q6506	C-4		
D6530	A-2	IC8002	C-6				
D6532	B-2						

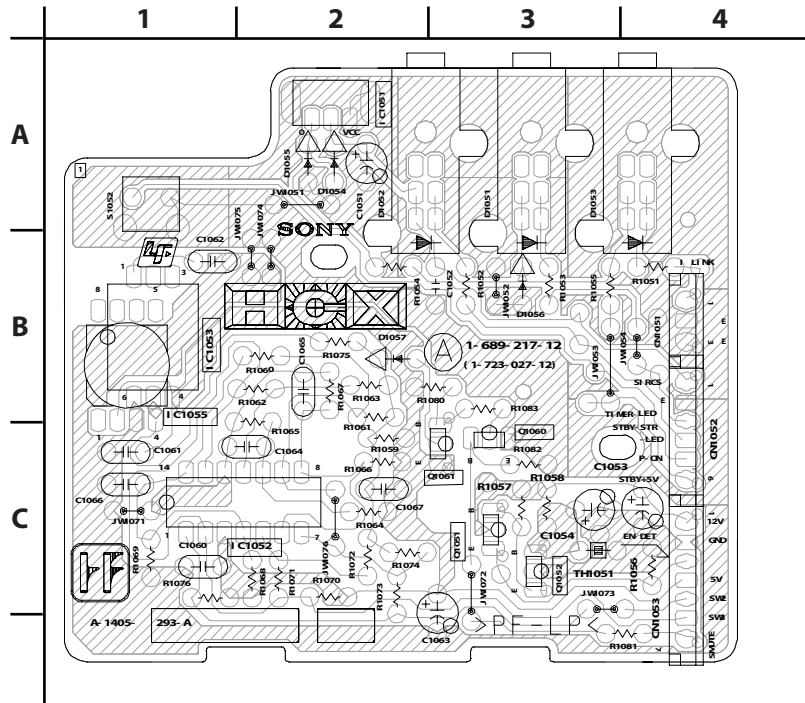
## HCX BOARD SCHEMATIC DIAGRAM





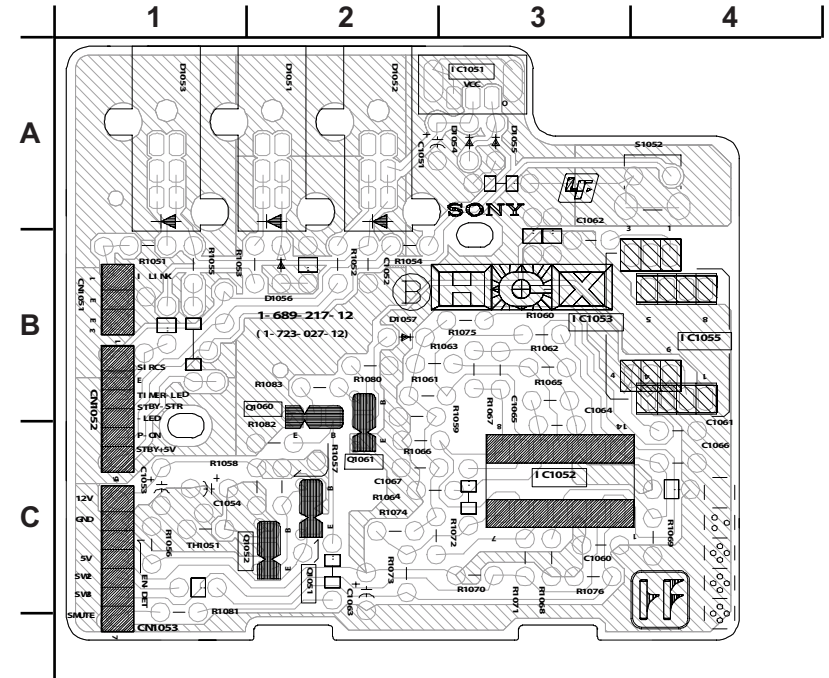
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## COMPONENT SIDE

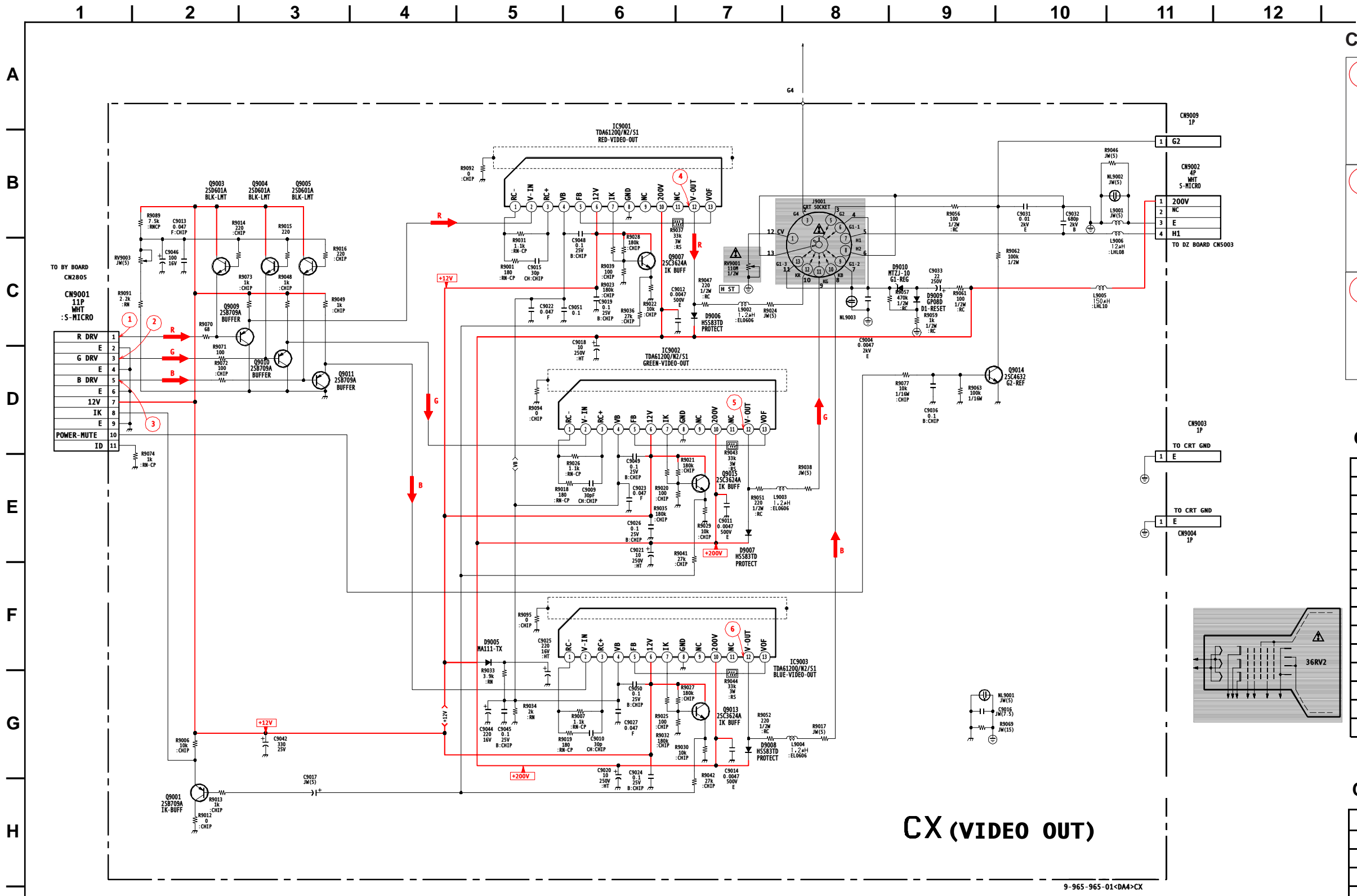


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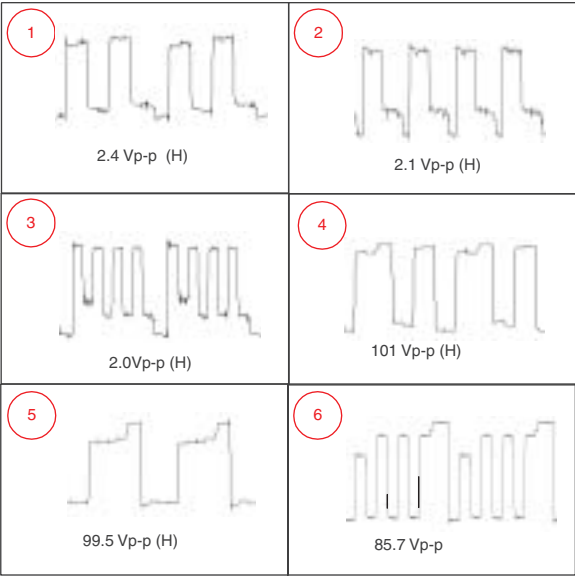
## CONDUCTOR SIDE



CX BOARD SCHEMATIC DIAGRAM



CX BOARD WAVEFORMS



CX BOARD IC VOLTAGE LIST

IC9001		IC9002		IC9003	
PIN	VOLT	PIN	VOLT	PIN	VOLT
1	0.0	1	0.0	1	0.0
2	3.5	2	3.5	2	3.5
3	5.0	3	5.0	3	5.0
4	3.5	4	3.5	4	3.5
5	0.0	5	0.0	5	0.0
6	12.0	6	12.0	6	12.0
7	9.4	7	9.4	7	9.4
8	GND	8	GND	8	GND
9	N/C	9	N/C	9	N/C
10	200.0	10	200.0	10	200.0
11	N/C	11	N/C	11	N/C
12	144.4	12	154.0	12	145.0
13	2.2	13	124.0	13	24.5

All voltages are in V.

CX BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q9001	8.6	GND	3.6
Q9003	2.2	12.0	3.6
Q9004	2.2	12.0	3.7
Q9005	2.2	12.0	3.5
Q9007	9.1	12.0	8.4
Q9009	3.7	GND	4.3
Q9010	3.7	GND	4.4
Q9011	3.5	GND	4.2
Q9013	9.0	12.0	8.5
Q9014	0.0	264.7	GND
Q9015	9.0	12.0	8.5

All voltages are in V.

CX (VIDEO OUT)

9-965-965-01<DA4>CX



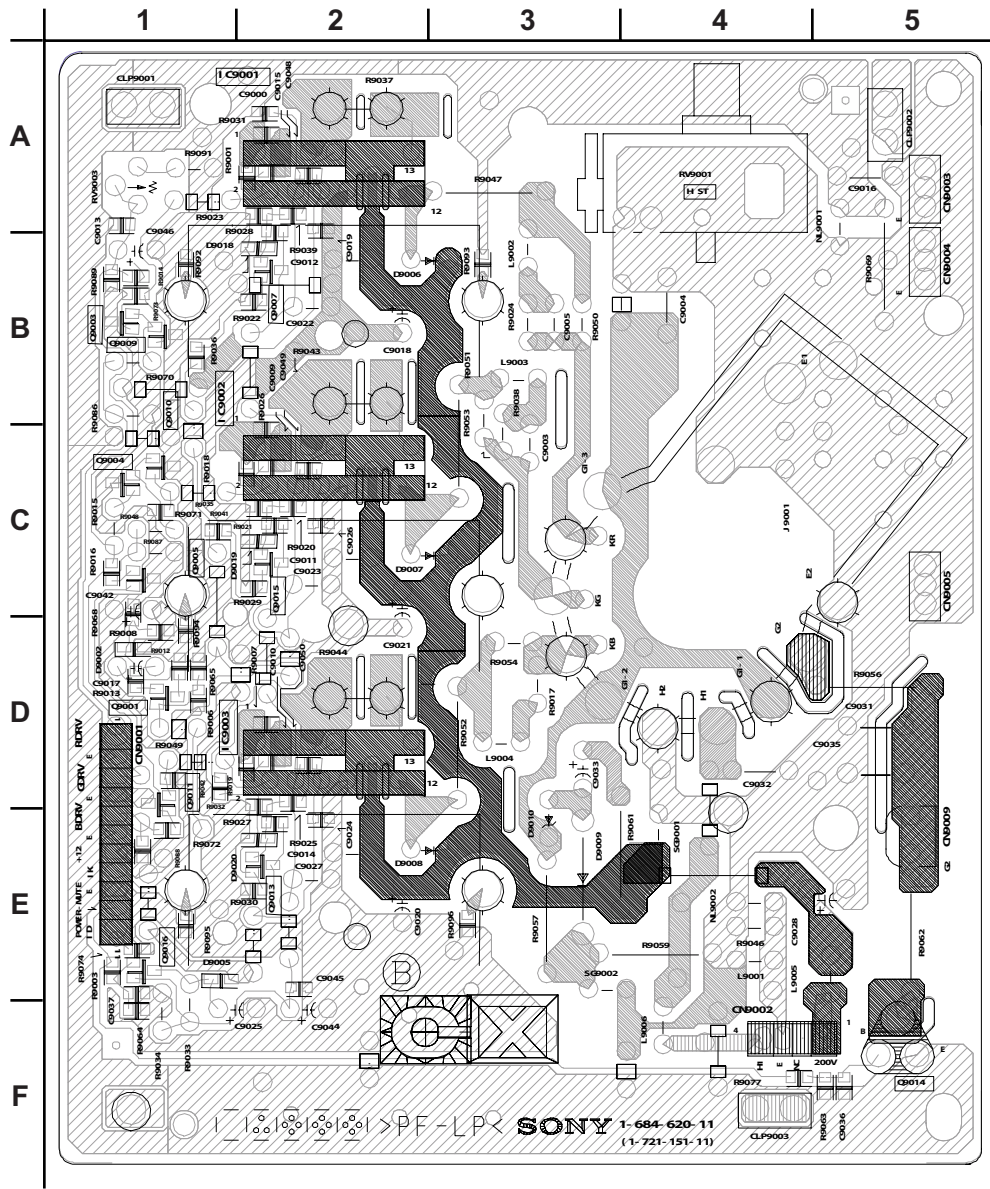
## COMPONENT SIDE



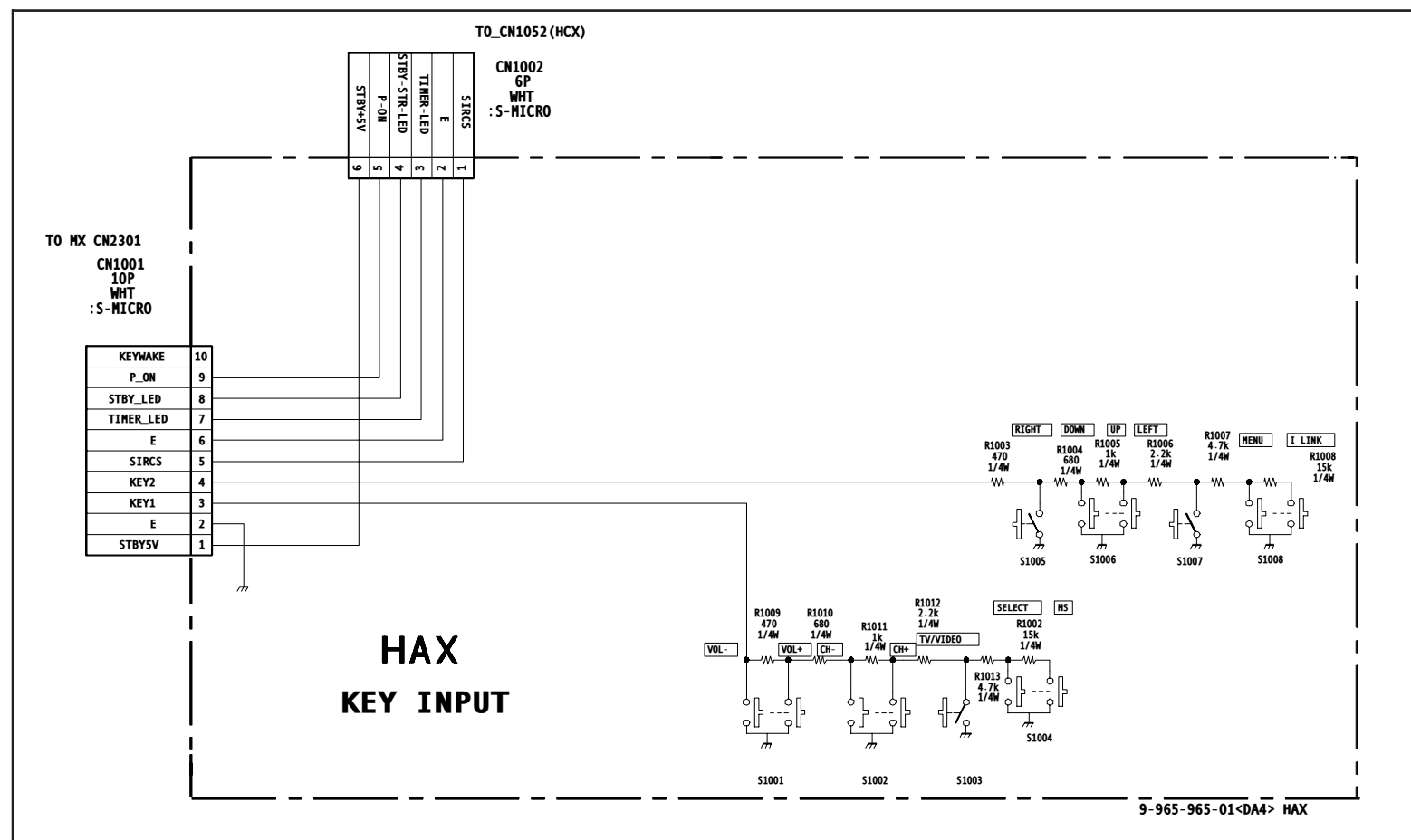


[VIDEO OUT]

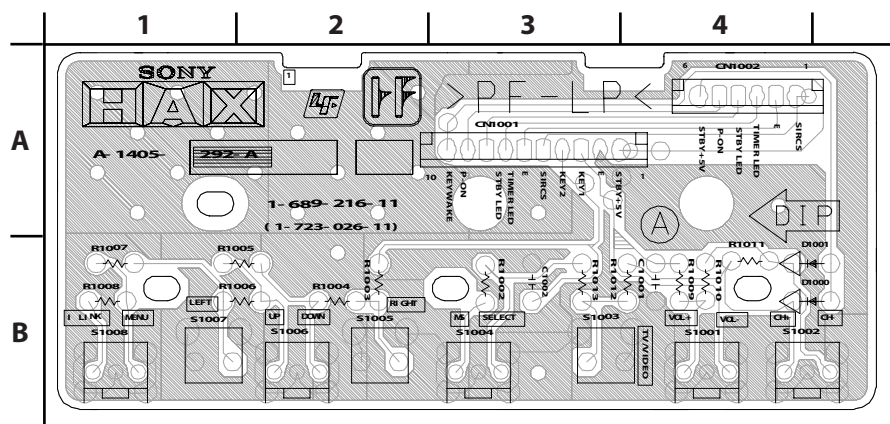
## CONDUCTOR SIDE



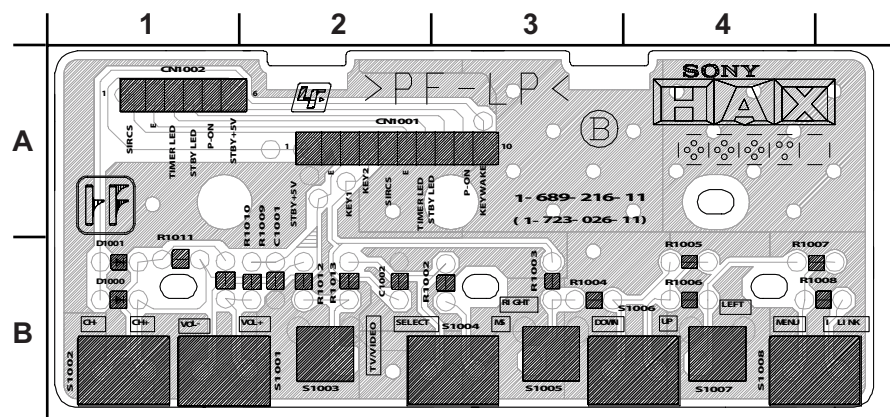
## HAX BOARD SCHEMATIC DIAGRAM



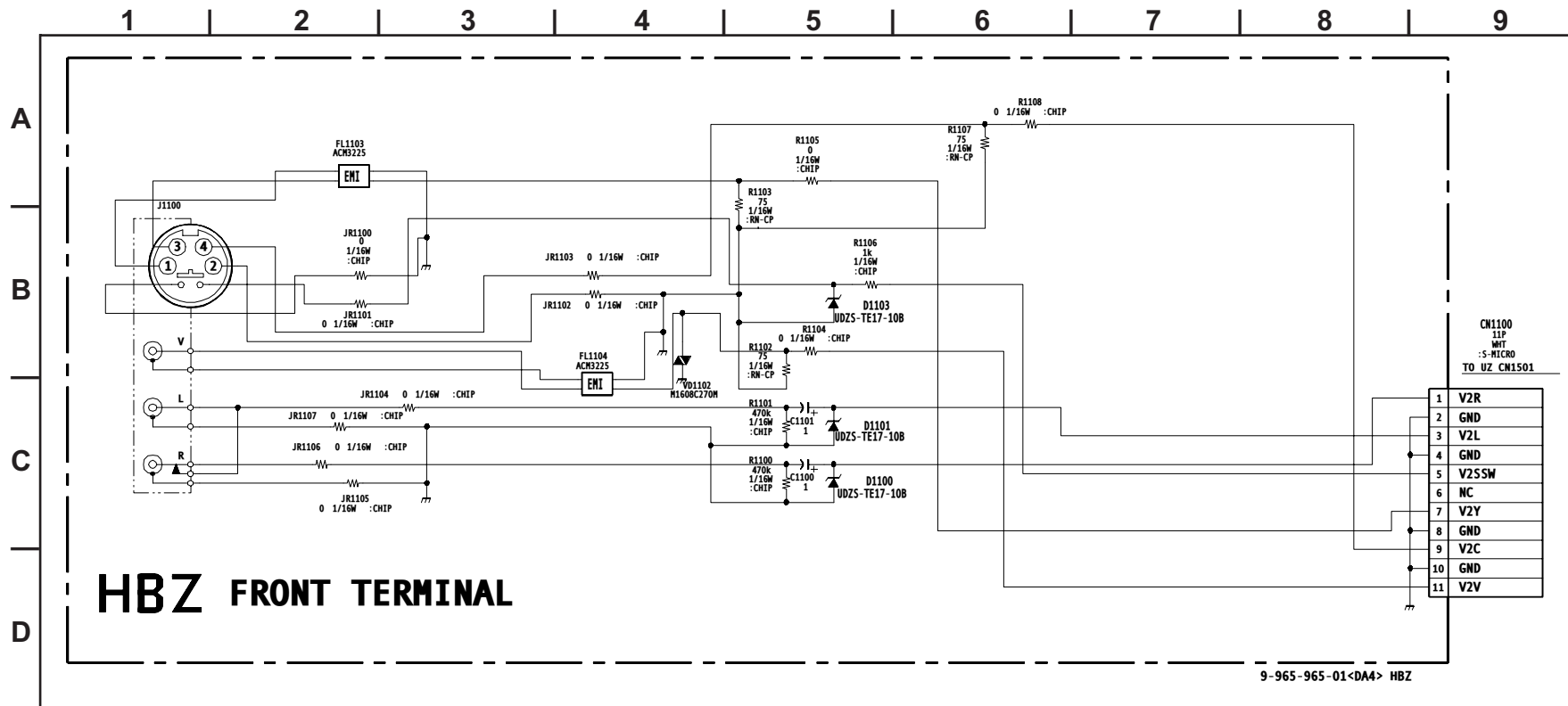
## COMPONENT SIDE

**HAX**

## CONDUCTOR SIDE



## HBZ BOARD SCHEMATIC DIAGRAM









All voltages are in V.

	B	C	E
Q9100	4.3	5.2	3.6
Q9101	0.0	9.0	5.2
Q9102	3.6	GND	4.3
Q9103	5.1	9.0	4.5
Q9104	3.6	GND	4.3
Q9105	5.1	9.0	4.5
Q9106	3.6	GND	4.3
Q9107	5.1	9.0	4.5
Q9108	3.6	GND	4.3
Q9109	5.1	9.0	4.5
Q9110	0.8	66.7	0.2
Q9111	133.8	66.7	134.3
Q9112	0.6	12.0	1.2
Q9113	0.6	0.0	GND
Q9114	0.6	0.0	GND
Q9115	0.6	0.0	GND
Q9116	4.7	4.2	GND
Q9117	6.6	12.0	6.7
Q9118	6.6	GND	6.7
Q9121	5.1	9.0	4.5
Q9122	5.1	9.0	4.5
Q9123	3.6	GND	4.3
Q9124	3.6	GND	4.3
Q9125	5.7	12.0	6.3

All voltages are in V.

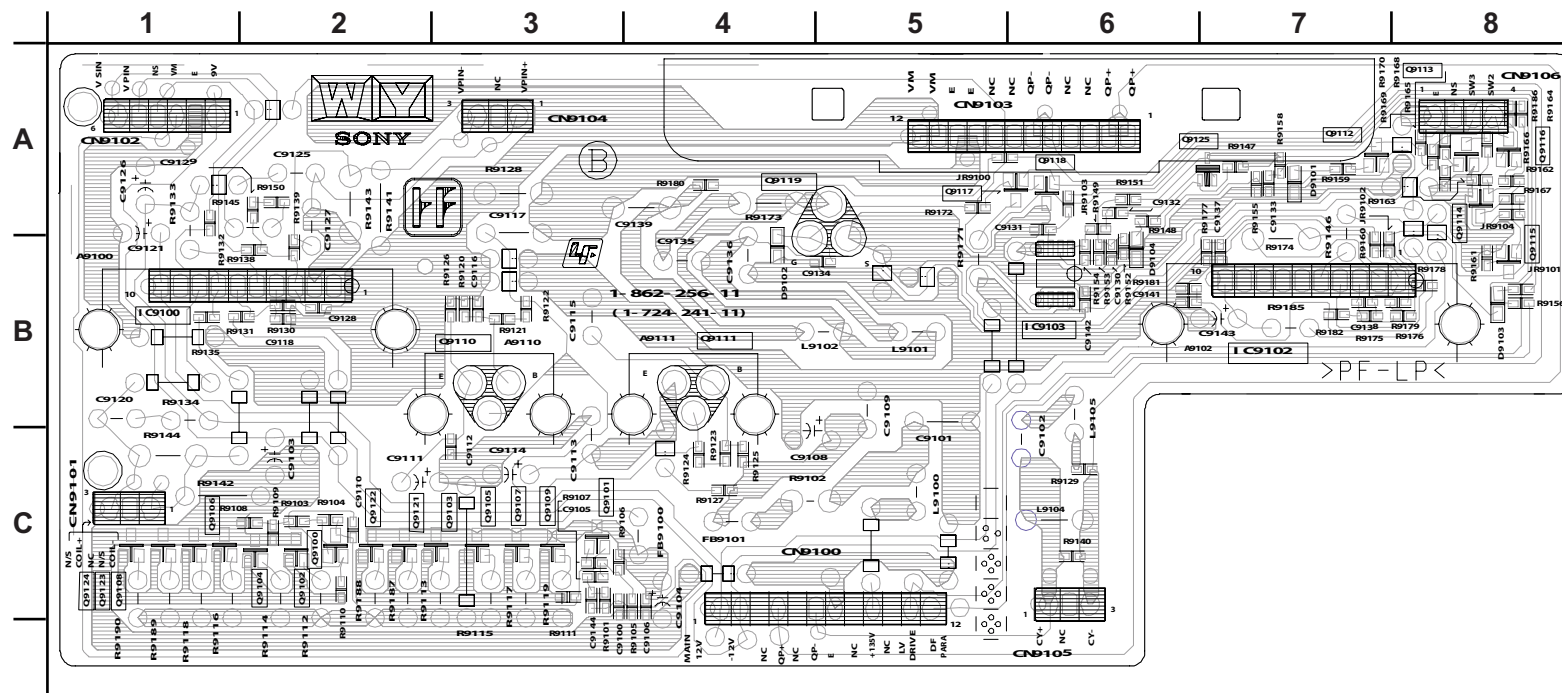
### COMPONENT SIDE



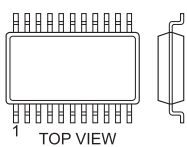


[VELOCITY MOD]

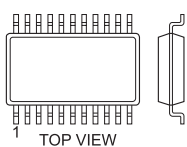
## CONDUCTOR SIDE



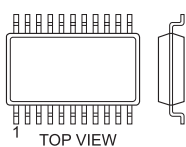
## 5-5.SEMICONDUCTORS (1 OF 2)



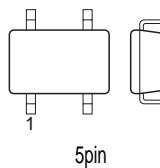
M52055FP  
TLC2932IPW  
TLC2933IPWR-12



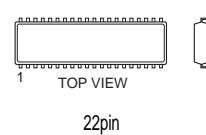
CXD2085M-T4  
SN74LV4053ANSR



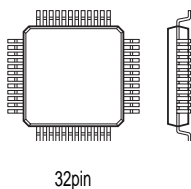
BH3868AFS-E2



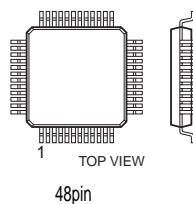
PST9120NL  
PST9145NL  
TC7SET08FU(TE85L)



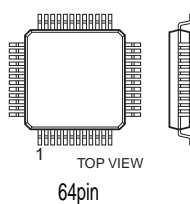
CXA2026AS



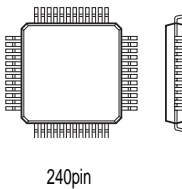
CXD2073Q-T4



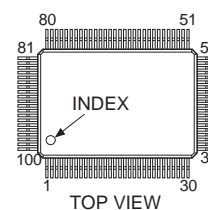
CXA2103Q  
CXA2150Q



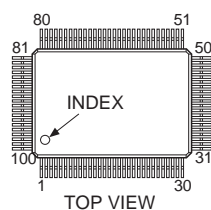
TLC5733AIPM



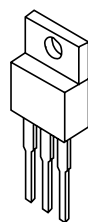
CXD9509AQ



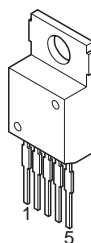
CXA2151Q



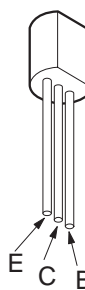
M306V2ME-153FP



NJM79M12FA



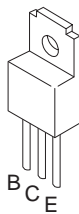
LA6500-FA



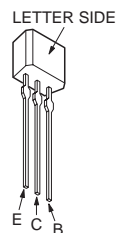
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2SA1091O-TPE



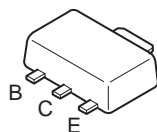
IRF614  
IRFI644-G-LF36  
IRFI9630GS



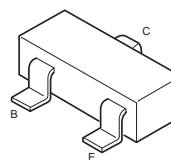
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2SC5511



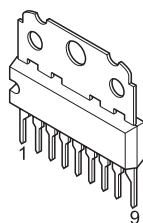
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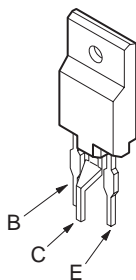
2SK2036(TE85L)



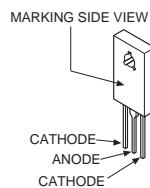
DTA114EKA-T146  
DTC114TKA-T146  
DTC144EKA-T146  
2SA1226  
2SD601A-QRS-TX  
2SB709A-QRS-TX  
2SC2412K-T-146-QR  
2SD2114KT146



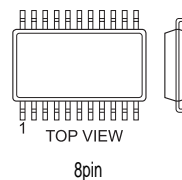
TDA6111Q/N4



2SC4632LS-CB7



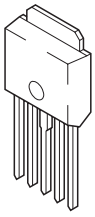
D5LC20U



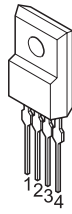
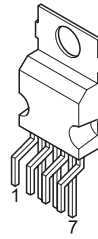
NJM2901M-TE2  
NJM2903M-TE2  
NJM2904M-TE2  
NJM4558E(TE2)  
TC7WU04FU(TE12R)



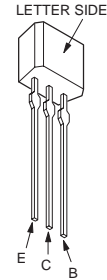
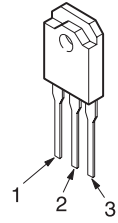
## SEMICONDUCTORS (2 OF 2)



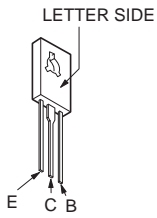
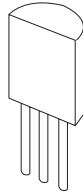
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PQ09RD21  
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PQ30RV21

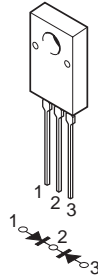
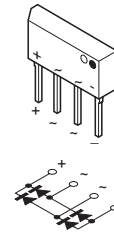
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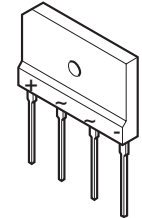
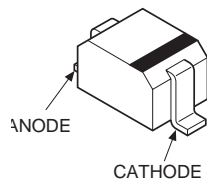
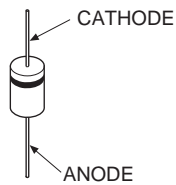
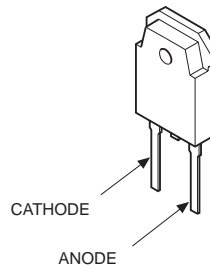
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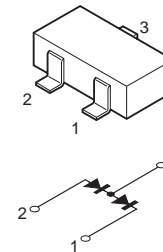
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D8LC40F

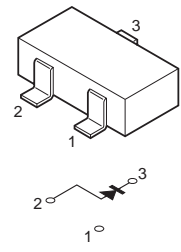
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D6SB60L  
D1NL40-TA2MA111-TX  
MA113-TX  
UDZSTE-1710B  
UDZSTE-176.8B  
UDZSTE-17-121SS133T-77  
D1NL20U-TR  
ERC91-02E

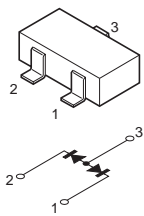
PG124S15



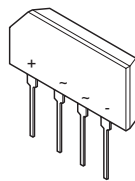
MA153-TX



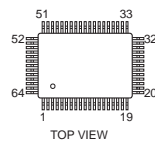
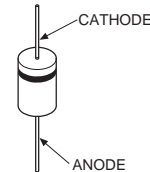
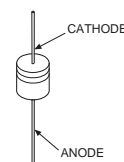
MA3091-TX



DAN202K-T-146



D4SBS6-F

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HZU11B1TRF  
RGP02-20EL-6394  
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MTZJ-T-77-3.9B  
MTZJ-T-77-33C  
MTZJ-T-77-15B  
MTZJ-T-77-4.7B  
MTZJ-T-77-33B  
MTZJ-T-77-5.1B  
MTZJ-T-77-10  
MTZJ-T-77-7.5B  
MTZJ-T-77-12  
RD5.6ES-T1B2  
MTZJ-T-77-13C  
MTZJ-T-77-2.0A  
MTZJ-T-77-22  
MTZJ-T-77-3.0B

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

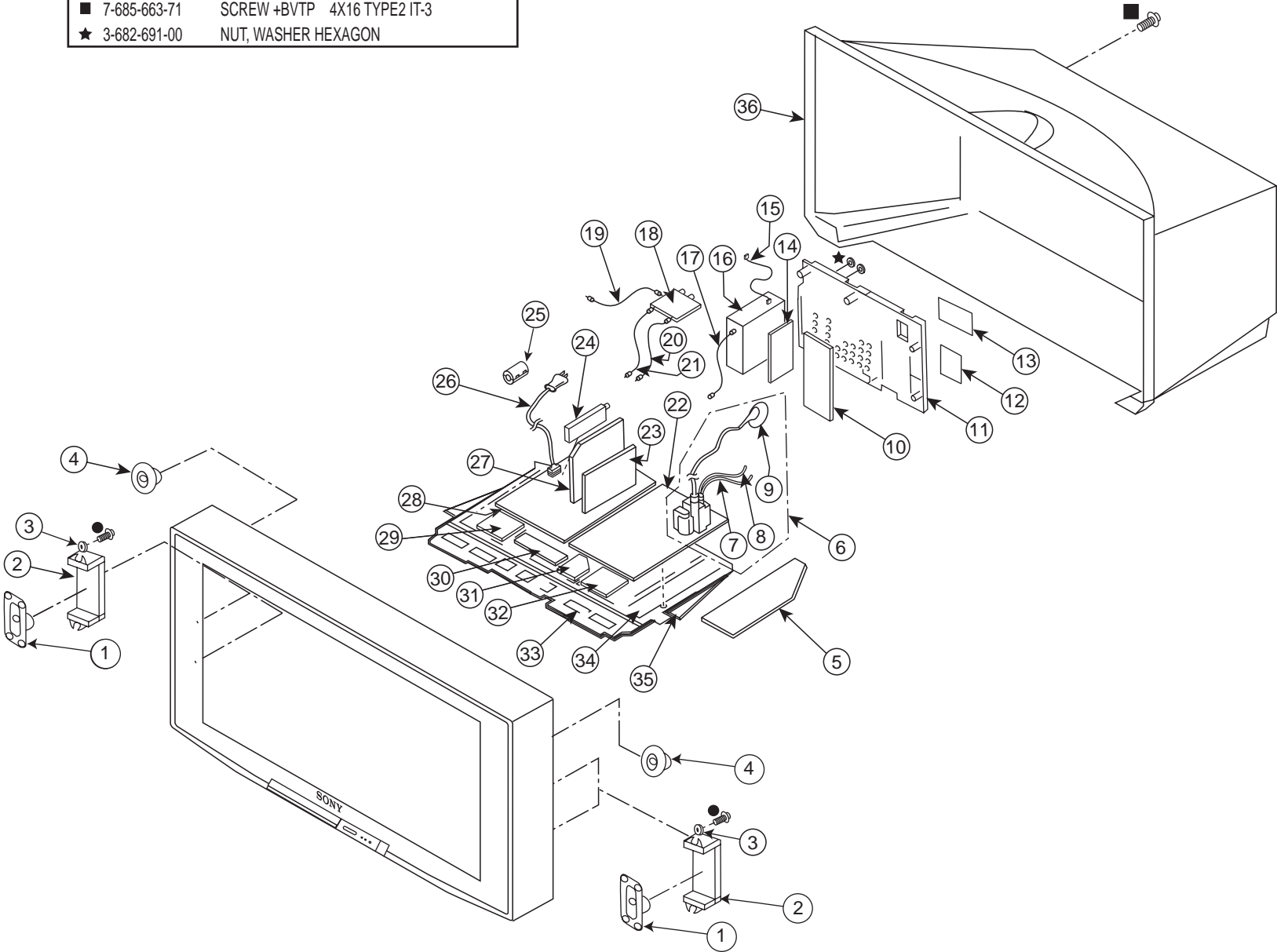
\* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS (KD-34XBR960 ONLY)

- 4-384-096-01 SCREW (4X16), TAPPING, +P
- 7-685-663-71 SCREW +BVTP 4X16 TYPE2 IT-3
- ★ 3-682-691-00 NUT, WASHER HEXAGON



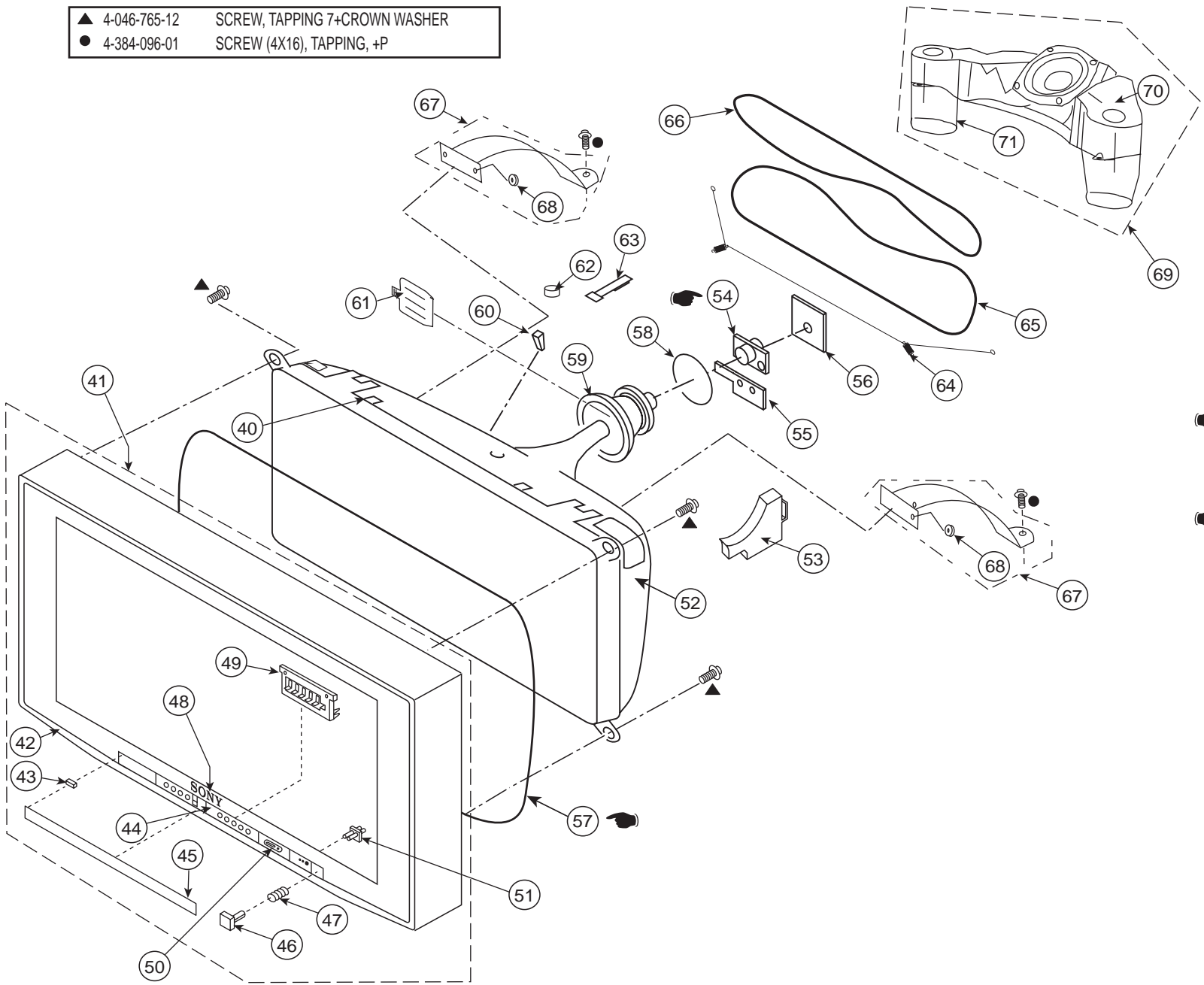
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION
1	1-825-512-11	LOUDSPEAKER (6X13CM)		* 21	1-555-110-00	P-P CABLE
* 2	4-086-708-01	BRACKET, SPEAKER		* 22	A-1303-038-A	DZ BOARD, COMPLETE
3	4-374-745-31	CUSHION (A)				The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).
4	1-825-511-11	LOUDSPEAKER (5.2CM)		* 23	A-1303-035-A	BY BOARD, COMPLETE
* 5	A-1302-221-A	DL BOARD, COMPLETE		24	8-598-594-30	TUNER, FSS BTF-FA21
⚠ 6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]	25	1-500-586-11	FILTER, CLAMP (FERRITE CORE)
⚠ 7	1-900-808-42	WIRE ASSY, G2		⚠ 26	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
⚠ 8	1-900-805-19	WIRE ASSY, FOCUS HV		* 27	A-1303-036-A	MZ BOARD, COMPLETE
⚠ 9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE		* 28	A-1303-034-A	AZ BOARD, COMPLETE
* 10	A-1303-037-A	UZ BOARD, COMPLETE		* 29	A-1415-859-A	HBZ BOARD, MOUNTED
* 11	4-102-770-01	BRACKET, U		* 30	A-1405-292-A	HAX BOARD, MOUNTED
* 12	1-417-507-11	POD-HOST CERT,D-CABLE READY		* 31	A-1303-030-A	QH BOARD, COMPLETE
13	4-102-769-01	LABEL, TERMINAL		* 32	A-1303-039-A	HCX BOARD, COMPLETE
* 14	A-1302-939-A	P BOARD, COMPLETE		* 33	4-093-830-02	BRACKET, H
15	1-823-515-31	CORD WITH CONNECTOR (I-LINK)		* 34	4-095-271-12	BRACKET, MAIN
* 16	A-1606-918-A	Q BOX ASSEMBLY		* 35	4-093-522-01	BOARD, BOTTOM
		The Q Box Assembly contains the QI Board, QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.		36	4-095-438-01	COVER, REAR
* 17	1-829-191-11	CABLE, USB				
⚠ 18	8-597-906-00	ANTENNA SWITCH RFD-SA801				
19	1-829-702-11	COAXIAL CABLE WITH F-PLUG				
* 20	1-557-056-31	CABLE, P-P				

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-2. PICTURE TUBE (KD-34XBR960 ONLY)

- ▲ 4-046-765-12 SCREW, TAPPING 7+CROWN WASHER
- 4-384-096-01 SCREW (4X16), TAPPING, +P



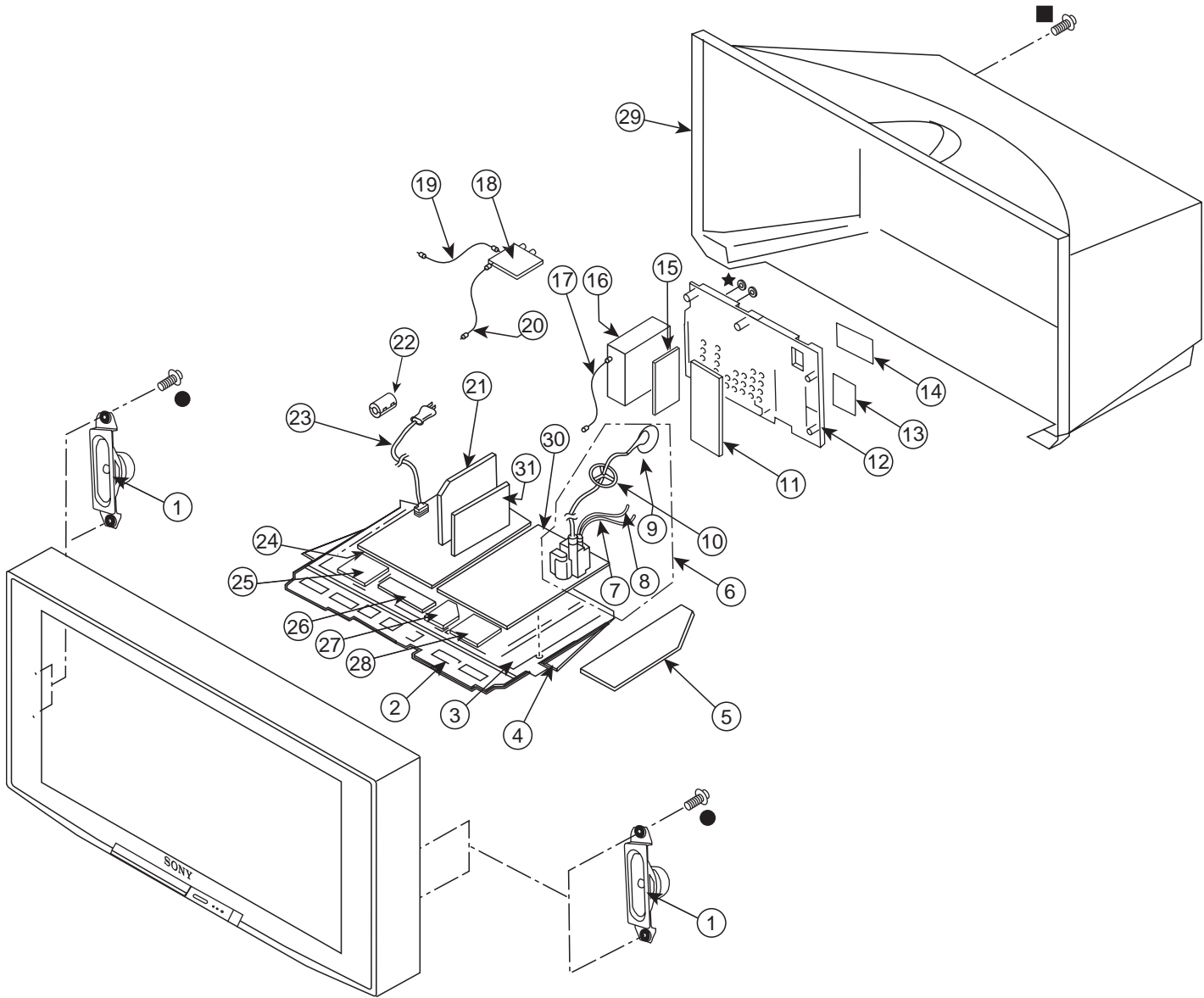
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
40	4-097-335-01	HOOK, GROUND WIRE		60	4-086-199-02	SPACER, DY	
41	X-2021-253-1	BEZNET ASSEMBLY	[42-49]	61	2-163-920-01	PLATE, TLH CORRECTION	
42	4-093-527-02	CABINET		62	1-452-032-00	MAGNET,DISC	
43	4-093-909-01	DAMPER, DOOR		63	4-051-734-21	PIECE B(120), CONV. CORRECT	
44	4-093-955-11	LABEL, BUTTON		64	4-065-852-01	SPRING, EXTENSION	
45	4-093-609-01	DOOR, CONTROL		⚠ 65	1-456-472-21	DEGAUSSING COIL (WITH LCC)	
46	4-093-612-01	BUTTON, POWER		⚠ 66	1-456-472-11	DEGAUSSING COIL (WITH LCC)	
47	4-042-593-11	SPRING, COMPRESSION		67	X-4042-198-1	ASSY, SPEAKER ARM	[68]
48	3-704-179-31	EMBLEM (NO.9), SONY		68	4-374-745-31	CUSHION (A)	
49	4-093-611-22	BUTTON, MULTI		69	1-544-952-12	SPEAKER BOX (WOOFER)	[70-71]
50	4-099-422-01	PANEL, MS DUO		* 70	4-083-309-01	BOX, SPEAKER (TOP)	
51	4-093-610-01	GUIDE, LED		* 71	4-083-310-01	BOX, SPEAKER (BOTTOM)	
⚠ 52	8-735-218-05	CRT 36RDE(DDP) W86LXX015X					
53	4-093-523-01	SUPPORTER, CRT					
⚠ 54	8-453-023-21	NECK ASSEMBLY NA328-M2					
* 55	A-1415-862-A	WY (VAR) BOARD, MOUNTED					
* 56	A-1400-562-A	CX BOARD, MOUNTED					
⚠ 57	1-456-850-11	COIL, LANDING CORRECTION					
		The Landing Correction Coil attaches to the Beznet but is NOT part of the Beznet Assembly.					
⚠ 58	1-451-498-31	COIL, NA ROTATION					
⚠ 59	8-451-530-41	DY Y36DEC-M2C					

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-3. CHASSIS (KD-30XS955/34XS955 ONLY)

- 4-384-096-01
- SCREW (4X16), TAPPING, +P
- 
- 7-685-663-71
- SCREW +BVTP 4X16 TYPE2 IT-3
- ★
- 3-682-691-00
- NUT, WASHER HEXAGON

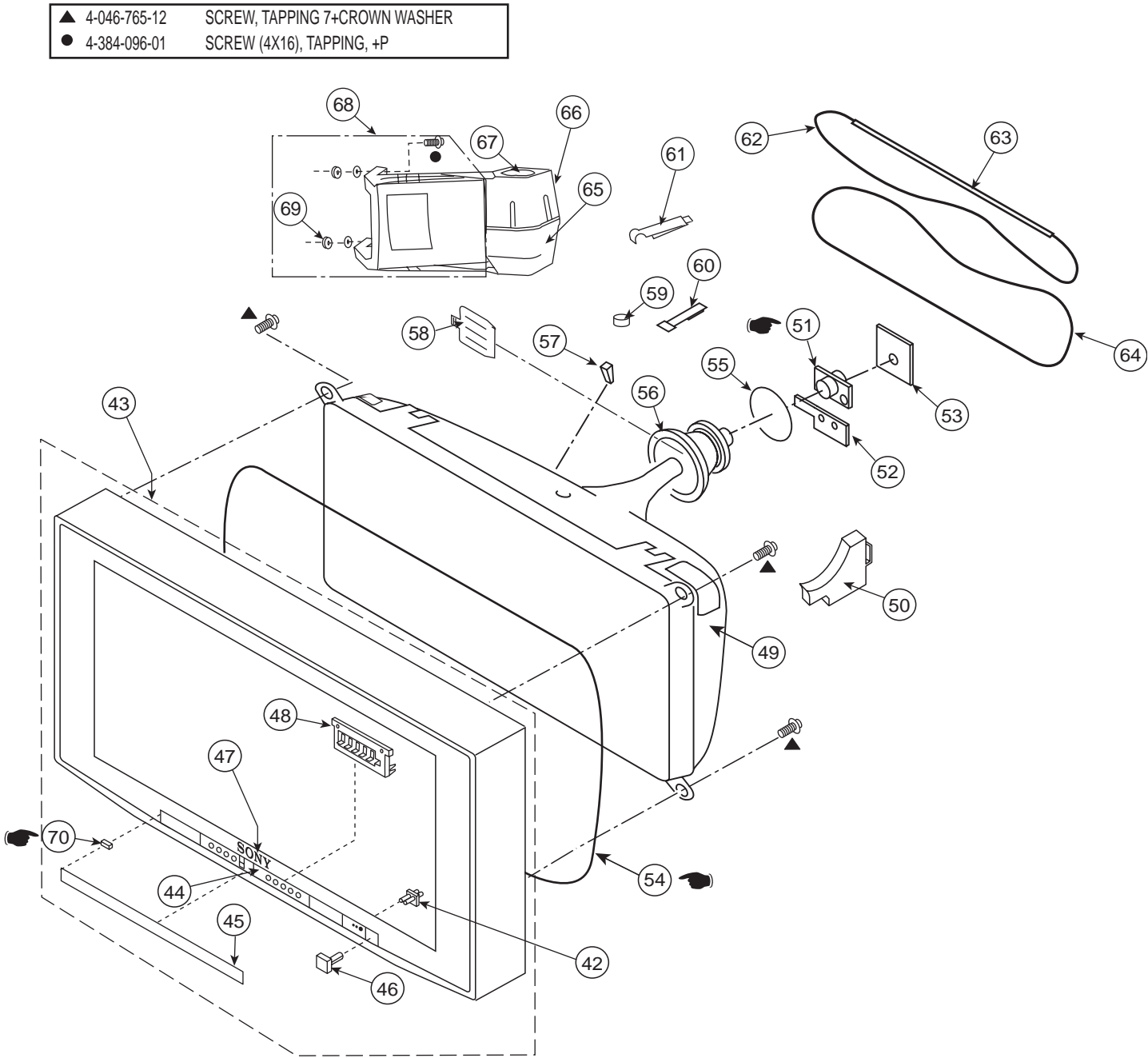


REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION
1	1-825-841-11	LOUDSPEAKER		* 21	A-1303-043-A	MZ BOARD, COMPLETE
* 2	4-102-134-03	BRACKET, H		22	1-500-586-11	FILTER, CLAMP (FERRITE CORE)
* 3	4-095-271-02	BRACKET, MAIN		⚠ 23	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
* 4	4-102-133-03	BOARD, BOTTOM		* 24	A-1303-044-A	AZ BOARD, COMPLETE
* 5	A-1302-223-B	DL BOARD, COMPLETE (KD-30XS955 ONLY)				(KD-30XS955 ONLY)
* 5	A-1302-221-A	DL BOARD, COMPLETE (KD-34XS955 ONLY)		* 24	A-1303-040-A	AZ BOARD, COMPLETE
						(KD-34XS955 ONLY)
⚠ 6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]	* 25	A-1415-859-A	HBZ BOARD, MOUNTED
⚠ 7	1-900-808-42	WIRE ASSY, G2		* 26	A-1405-292-A	HAX BOARD, MOUNTED
⚠ 8	1-900-805-19	WIRE ASSY, FOCUS HV		* 27	A-1303-030-A	QH BOARD, COMPLETE
⚠ 9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE		* 28	A-1303-042-A	HCX BOARD, COMPLETE
10	4-084-918-01	HOLDER, HV CABLE		29	4-102-138-01	COVER, REAR
						(KD-30XS955 ONLY)
* 11	A-1303-037-A	UZ BOARD, COMPLETE		29	4-102-123-02	COVER, REAR
* 12	4-102-770-01	BRACKET, U				(KD-34XS955 ONLY)
* 13	1-417-507-11	POD-HOST CERT,D-CABLE READY		* 30	A-1303-045-A	DZ BOARD, COMPLETE
14	4-102-767-01	LABEL, TERMINAL				(KD-30XS955 ONLY)
* 15	A-1302-939-A	P BOARD, COMPLETE				The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).
* 16	A-1606-921-A	Q BOX ASSEMBLY		* 30	A-1303-038-A	DZ BOARD, COMPLETE
		The Q Box Assembly contains the QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.				(KD-34XS955 ONLY)
* 17	1-829-191-11	CABLE, USB				The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).
⚠ 18	8-597-906-00	ANTENNA SWITCH RFD-SA801		* 31	A-1303-041-A	BY BOARD, COMPLETE
19	1-829-702-11	COAXIAL CABLE WITH F-PLUG				
* 20	1-555-110-00	P-P CABLE				

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-4. PICTURE TUBE (KD-30XS955/34XS955 ONLY)



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
42	4-102-128-11	GUIDE, LED		⚠ 55	1-451-498-31	COIL, NA ROTATION	
⚠ 43	X-2021-378-1	BEZNET ASSY (KD-30XS955 ONLY)	[44-48, 70]	⚠ 56	1-451-551-21	DEFLECTION YOKE (Y32VEC-T) (KD-30XS955 ONLY)	
43	X-2021-379-1	BEZNET ASSY (KD-34XS955 ONLY)	[44-48, 70]	⚠ 56	8-451-530-41	DY Y36DEC-M2C (KD-34XS955 ONLY)	
44	4-102-768-01	LABEL, FRONT CONTROL		57	4-086-199-02	SPACER, DY	
45	4-102-127-31	DOOR, CONTROL		58	2-163-920-01	PLATE, TLH CORRECTION	
46	4-102-129-21	BUTTON, POWER		59	1-452-032-00	MAGNET,DISC	
47	3-704-179-01	EMBLEM (NO.9), SONY		60	4-051-734-21	PIECE B(120), CONV. CORRECT	
48	4-093-611-02	BUTTON, MULTI		61	4-102-284-01	CLIP, DGC	
⚠ 49	8-735-228-05	CRT 32RDEN(DDP)(FILMLESS) W76LXY000X (KD-30XS955 ONLY)		⚠ 62	1-456-473-11	DEGAUSSING COIL (WITH LCC) (KD-30XS955 ONLY)	
⚠ 49	8-735-218-05	CRT 36RDE(DDP) W86LXX015X (KD-34XS955 ONLY)		⚠ 62	1-456-472-11	DEGAUSSING COIL (WITH LCC) (KD-34XS955 ONLY)	
50	4-102-136-01	SUPPORTER, CRT					
⚠ 51	8-453-022-21	NECK ASSEMBLY NA2920-M2 (KD-30XS955 ONLY)		63	4-103-011-01	TUBE, DGC (C) (KD-30XS955 ONLY)	
⚠ 51	8-453-023-21	NECK ASSEMBLY NA328-M2 (KD-34XS955 ONLY)		⚠ 64	1-456-473-21	DEGAUSSING COIL (WITH LCC) (KD-30XS955 ONLY)	
* 52	A-1415-869-A	WY (VAR) BOARD, MOUNTED (KD-30XS955 ONLY)		⚠ 64	1-456-472-21	DEGAUSSING COIL (WITH LCC) (KD-34XS955 ONLY)	
* 52	A-1415-862-A	WY (VAR) BOARD, MOUNTED (KD-34XS955 ONLY)		* 65	4-086-700-23	BOX, WOOFER (BOTTOM)	
* 53	A-1400-562-A	CX BOARD, MOUNTED		* 66	4-086-699-21	BOX, WOOFER (TOP)	
⚠ 54	1-419-792-11	LANDING CORRECTION COIL (LCC) (KD-30XS955 ONLY)		67	1-825-105-11	LOUDSPEAKER (10 CM)	
⚠ 54	1-456-850-11	LANDING CORRECTION COIL (LCC) (KD-34XS955 ONLY)		* 68	X-4040-296-2	ARM ASSY, WOOFER BOX (KD-30XS955 ONLY)	
The Landing Correction Coil attaches to the Beznet but is NOT part of the Beznet Assembly.				68	X-2021-380-1	ASSY, SPEAKER ARM (KD-34XS955 ONLY)	[69]
				69	4-374-745-31	CUSHION (A)	
				⚠ 70	4-102-131-11	DAMPER, DOOR	



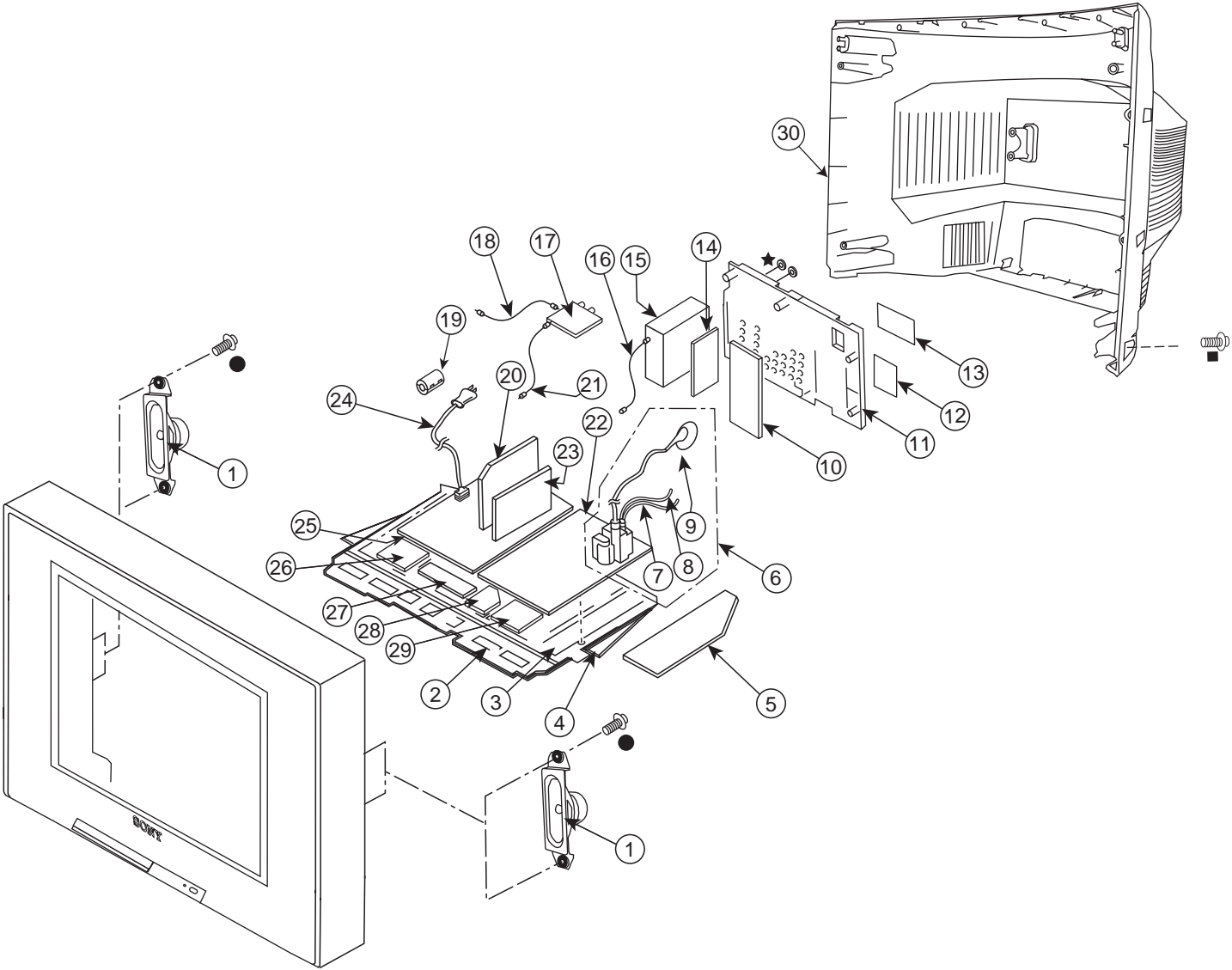
NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-5. CHASSIS (KD-36XS955 ONLY)

- 4-384-096-01
- SCREW (4X16), TAPPING, +P
- 7-685-663-71
- SCREW +BVTP 4X16 TYPE2 IT-3
- ★

3-682-691-00
- NUT, WASHER HEXAGON



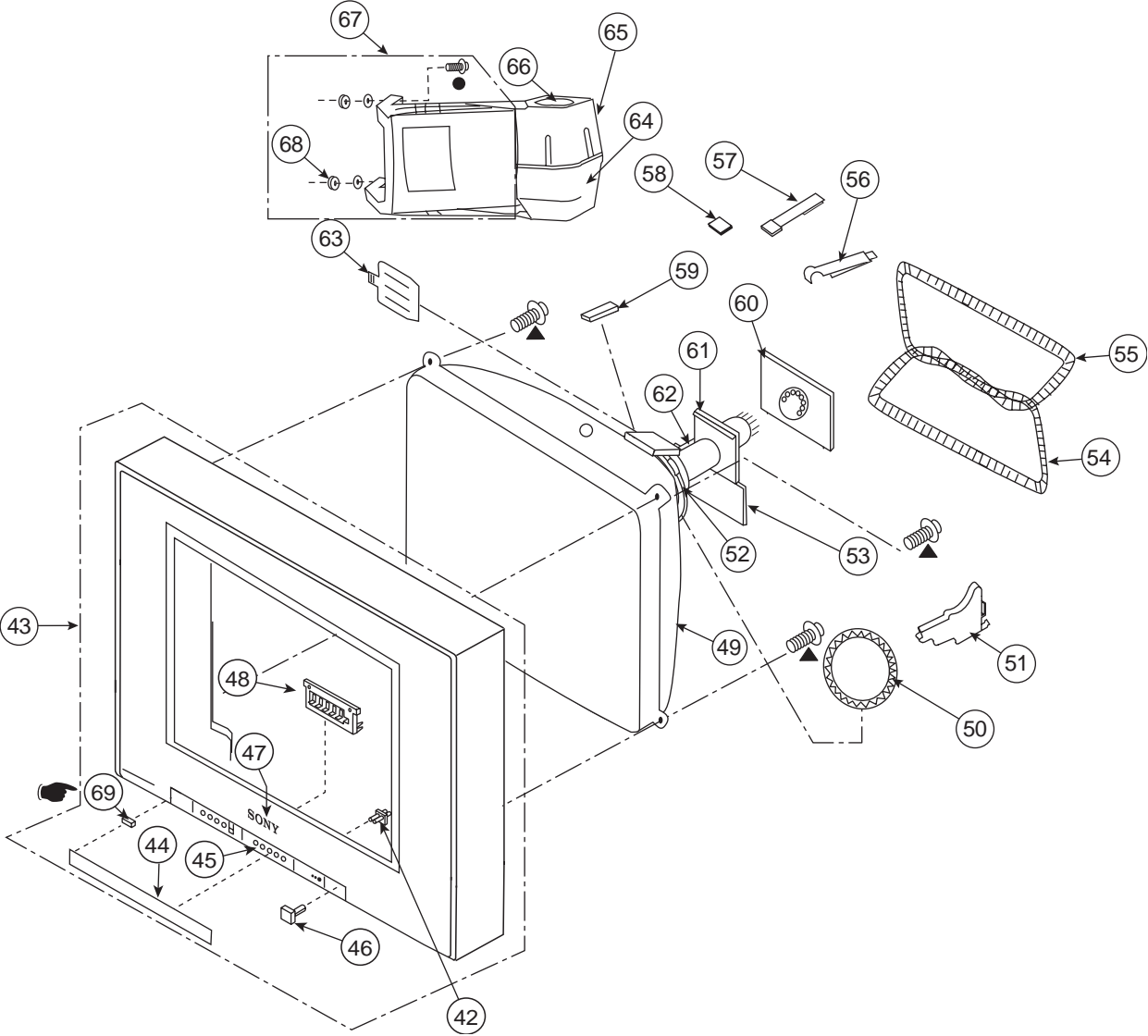
REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION
1	1-825-841-11	LOUDSPEAKER		* 21	1-555-110-00	P-P CABLE
* 2	4-102-134-03	BRACKET, H		* 22	A-1062-014-A	DZ BOARD, COMPLETE
* 3	4-095-271-02	BRACKET, MAIN				The high-voltage leads associated with the FBT on this DZ Board are not included and must be ordered separately (SEE 7-9).
* 4	4-102-133-03	BOARD, BOTTOM		* 23	A-1303-041-A	BY BOARD, COMPLETE
* 5	A-1062-016-A	DL BOARD, COMPLETE		⚠ 24	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
⚠ 6	1-453-464-11	FBT ASSY NX-6200//X4J4	[7-9]	* 25	A-1062-012-A	AZ BOARD, COMPLETE
⚠ 7	1-900-808-42	WIRE ASSY, G2				
⚠ 8	1-900-805-19	WIRE ASSY, FOCUS HV		* 26	A-1415-859-A	HBZ BOARD, MOUNTED
⚠ 9	1-251-715-22	CAP ASSY, HIGH-VOLTAGE		* 27	A-1405-292-A	HAX BOARD, MOUNTED
* 10	A-1303-037-A	UZ BOARD, COMPLETE		* 28	A-1303-030-A	QH BOARD, COMPLETE
* 11	4-102-770-01	BRACKET, U		* 29	A-1303-042-A	HCX BOARD, COMPLETE
* 12	1-417-507-11	POD-HOST CERT,D-CABLE READY		30	4-102-125-01	COVER, REAR
13	4-102-767-01	LABEL, TERMINAL				
* 14	A-1302-939-A	P BOARD, COMPLETE				
* 15	A-1606-921-A	Q BOX ASSEMBLY				
		The Q Box Assembly contains the QM Board, QT Board, and the QU Board. These boards cannot be ordered separately.				
* 16	1-829-191-11	CABLE, USB				
⚠ 17	8-597-906-00	ANTENNA SWITCH RFD-SA801				
* 18	1-829-702-11	COAXIAL CABLE WITH F-PLUG				
19	1-500-586-11	FILTER, CLAMP (FERRITE CORE)				
* 20	A-1303-043-A	MZ BOARD, COMPLETE				

NOTE: The components identified by shading and ⚠ mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-6. PICTURE TUBE (KD-36XS955 ONLY)

- ▲ 4-046-765-12
- SCREW, TAPPING 7+CROWN WASHER
- 4-384-096-01
- SCREW (4X16), TAPPING, +P



REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF. NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]
42	4-102-128-11	GUIDE, LED		56	4-065-895-12	HOLDER, DGC	
⚡ 43	X-2022-158-1	BEZNET ASSY	[44-48, 69]	57	4-051-734-21	PIECE B(120), CONV. CORRECT	
44	4-102-127-31	DOOR, CONTROL		58	1-452-032-00	MAGNET, DISC	
		(KV-36XS955 HAWAII ONLY)		59	2-108-702-01	CUSHION, DY (10X25)	
⚡ 44	4-102-127-31	DOOR, CONTROL		* 60	A-1400-562-A	CX BOARD, MOUNTED	
		(KV-36XS955 US ONLY)					
45	4-102-768-01	LABEL, FRONT CONTROL		⚠ *61	1-456-830-11	LANDING CORRECTION COIL (LCC)	
46	4-102-129-01	BUTTON, POWER		⚠ 62	8-453-023-21	NECK ASSEMBLY NA328-M2	
		(KV-36XS955 HAWAII ONLY)		63	2-163-920-01	PLATE, TLH CORRECTION	
46	4-102-129-21	BUTTON, POWER		* 64	4-086-700-23	BOX, WOOFER (BOTTOM)	
		(KV-36XS955 US ONLY)		* 65	4-086-699-21	BOX, WOOFER (TOP)	
47	3-704-179-01	EMBLEM (NO.9), SONY		66	1-825-105-11	LOUDSPEAKER (10 CM)	
48	4-093-611-02	BUTTON, MULTI		* 67	X-4040-296-2	ARM ASSY, WOOFER BOX	[68]
⚠ 49	8-735-130-05	CRT 38RFN(FOR ME) A90LYF00X		68	4-374-745-31	CUSHION (A)	
⚠ 50	1-451-498-31	COIL, NA ROTATION		⚡ 69	4-102-131-11	DAMPER, DOOR	
51	4-102-136-01	SUPPORTER, CRT					
⚠ 52	8-451-533-11	DY Y38RFC-M					
* 53	A-1062-018-A	WY (VAR) BOARD, MOUNTED					
⚠ 54	1-456-793-21	DEGAUSING COIL (BOTTOM)					
⚠ 55	1-456-793-11	DEGAUSING COIL (TOP)					

## SECTION 7: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components in this manual identified by the following symbol:  $\triangle$  indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

\* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

## RESISTORS

- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

DL

When ordering parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<div><div>DL</div><div><div><div>*<div>A-1062-016-A</div><div>DL BOARD, COMPLETE</div><div>(KD-36XS955 ONLY)</div></div><div>*<div>A-1302-221-A</div><div>DL BOARD, COMPLETE</div><div>(KD-34XBR960/34XS955 ONLY)</div></div><div>*<div>A-1302-223-A</div><div>DL BOARD, COMPLETE</div><div>(KD-30XS955 ONLY)</div></div><div>4-382-854-01</div><div>SCREW (M3X8), P, SW (+)</div></div></div></div>											
<div>CAPACITOR</div>											
C5802	1-126-960-11	ELECT	1μF	20%	50V	C5846	1-126-935-11	ELECT	470μF	20%	16V
C5803	1-126-967-11	ELECT	47μF	20%	50V	C5847	1-126-947-11	ELECT	47μF	20%	35V
C5804	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5849	1-126-935-11	ELECT	470μF	20%	16V
C5806	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5850	1-104-665-11	ELECT	100μF	20%	25V
C5807	1-126-947-11	ELECT	47μF	20%	35V	C5851	1-104-665-11	ELECT	100μF	20%	25V
C5808	1-117-722-11	ELECT	2200μF	20%	10V	C5903	1-126-964-11	ELECT	10μF	20%	50V
C5809	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	<div>CONNECTOR</div>					
C5812	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	* CN5801	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P		
C5822	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	CN5802	1-564-505-11	PLUG, CONNECTOR	2P		
C5825	1-126-947-11	ELECT	47μF	20%	35V	* CN5804	1-564-510-11	PLUG, CONNECTOR	7P		
C5827	1-126-947-11	ELECT	47μF	20%	35V	* CN5805	1-564-506-11	PLUG, CONNECTOR	3P		
C5829	1-130-495-00	MYLAR	0.1μF	5%	50V	* CN5806	1-564-507-11	PLUG, CONNECTOR	4P		
C5830	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	* CN5807	1-564-507-11	PLUG, CONNECTOR	4P		
C5831	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	* CN5808	1-564-507-11	PLUG, CONNECTOR	4P		
C5832	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	<div>DIODE</div>					
C5834	1-126-947-11	ELECT	47μF	20%	35V	D5801	8-719-404-50	DIODE	MA111-TX		
C5836	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D5803	8-719-404-50	DIODE	MA111-TX		
C5837	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	D5804	8-719-404-50	DIODE	MA111-TX		
C5838	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	D5806	8-719-404-50	DIODE	MA111-TX		
C5839	1-126-947-11	ELECT	47μF	20%	35V	<div>IC</div>					
C5840	1-126-947-11	ELECT	47μF	20%	35V	IC5801	8-759-700-78	IC	NJM082M		
C5841	1-130-495-00	MYLAR	0.1μF	5%	50V	IC5802	8-752-072-94	IC	CXA1875AM-T4		
C5842	1-130-495-00	MYLAR	0.1μF	5%	50V	IC5803	8-759-701-01	IC	NJM2904M		
C5843	1-130-495-00	MYLAR	0.1μF	5%	50V	IC5806	8-759-596-22	IC	SN74LV4066ANSR		
C5844	1-130-495-00	MYLAR	0.1μF	5%	50V	IC5809	8-759-803-42	IC	LA6500-FA		
						IC5811	8-759-822-38	IC	LA6510		
						IC5812	8-759-822-38	IC	LA6510		
						IC5813	8-759-394-35	IC	BA12T		
						IC5814	8-759-929-65	IC	LM7912CT		
						IC5900	8-759-701-01	IC	NJM2904M		



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<b>TRANSISTOR</b>						R5824	1-216-809-11	METAL CHIP	100	5%	1/10W
Q5801	8-729-422-27	TRANSISTOR	2SD601A-Q			R5825	1-249-383-11	CARBON	1.5	5%	1/4W
Q5802	8-729-422-27	TRANSISTOR	2SD601A-Q			R5827	1-215-859-00	METAL OXIDE	22	5%	1W
Q5803	8-729-422-27	TRANSISTOR	2SD601A-Q			R5828	1-249-441-11	CARBON	100K	5%	1/4W
Q5806	8-729-422-27	TRANSISTOR	2SD601A-Q			R5829	1-215-859-00	METAL OXIDE	22	5%	1W
Q5807	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R5830	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
<b>RESISTOR</b>						R5831	1-218-726-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	27K	0.50%	1/10W
R5801	1-216-853-11	METAL CHIP	470K	5%	1/10W	R5831	1-218-730-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	39K	0.50%	1/10W
R5802	1-216-851-11	METAL CHIP	330K	5%	1/10W	R5832	1-218-712-11	METAL CHIP (ALL EXCEPT KD-30XS955)	6.8K	0.50%	1/10W
R5803	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5832	1-218-713-11	METAL CHIP (KD-30XS955 ONLY)	7.5K	0.50%	1/10W
R5804	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5833	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5805	1-218-772-11	METAL CHIP (KD-30XS955 ONLY)	680K	0.50%	1/10W	R5834	1-218-715-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	9.1K	0.50%	1/10W
R5805	1-218-776-11	METAL CHIP (ALL EXCEPT KD-30XS955)	1M	0.50%	1/10W	R5834	1-218-720-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	15K	0.50%	1/10W
R5807	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5835	1-218-712-11	METAL CHIP (KD-30XS955 ONLY)	6.8K	0.50%	1/10W
R5808	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5835	1-218-714-11	METAL CHIP (ALL EXCEPT KD-30XS955)	8.2K	0.50%	1/10W
R5809	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5836	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W
R5810	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5837	1-218-716-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	10K	0.50%	1/10W
R5811	1-218-726-11	METAL CHIP (KD-30XS955 ONLY)	27K	0.50%	1/10W	R5837	1-218-734-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	56K	0.50%	1/10W
R5811	1-218-727-11	METAL CHIP (ALL EXCEPT KD-30XS955)	30K	0.50%	1/10W	R5838	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R5812	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5839	1-218-732-11	METAL CHIP (ALL EXCEPT KD-30XS955)	47K	0.50%	1/10W
R5813	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5840	1-218-709-11	METAL CHIP (ALL EXCEPT KD-30XS955)	5.1K	0.50%	1/10W
R5814	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5840	1-218-712-11	METAL CHIP (KD-30XS955 ONLY)	6.8K	0.50%	1/10W
R5815	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5841	1-249-441-11	CARBON	100K	5%	1/4W
R5817	1-218-726-11	METAL CHIP	27K	0.50%	1/10W	R5842	1-215-859-00	METAL OXIDE	22	5%	1W
R5818	1-218-714-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	8.2K	0.50%	1/10W	R5843	1-249-441-11	CARBON	100K	5%	1/4W
R5818	1-218-716-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	10K	0.50%	1/10W	R5844	1-218-728-11	METAL CHIP (ALL EXCEPT KD-30XS955)	33K	0.50%	1/10W
R5819	1-218-684-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	470	0.50%	1/10W	R5844	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W
R5819	1-218-686-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	560	0.50%	1/10W	R5845	1-215-859-00	METAL OXIDE	22	5%	1W
R5821	1-218-726-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	27K	0.50%	1/10W	R5846	1-216-793-11	METAL CHIP	4.7	5%	1/10W
R5821	1-218-728-11	METAL CHIP (KD-30XS955/36XS955 ONLY)	33K	0.50%	1/10W						
R5822	1-249-383-11	CARBON	1.5	5%	1/4W						
R5823	1-216-809-11	METAL CHIP	100	5%	1/10W						



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5847	1-218-732-11	METAL CHIP (KD-30XS955 ONLY)	47K	0.50%	1/10W	R5858	1-218-722-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	18K	0.50%	1/10W
R5847	1-218-734-11	METAL CHIP (ALL EXCEPT KD-30XS955)	56K	0.50%	1/10W	R5858	1-218-728-11	METAL CHIP (KD-36XS955 ONLY)	33K	0.50%	1/10W
R5848	1-218-719-11	METAL CHIP (KD-30XS955 ONLY)	13K	0.50%	1/10W	R5858	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W
R5848	1-218-722-11	METAL CHIP (ALL EXCEPT KD-30XS955)	18K	0.50%	1/10W	R5859	1-218-722-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	18K	0.50%	1/10W
R5849	1-249-383-11	CARBON	1.5	5%	1/4W	R5859	1-218-728-11	METAL CHIP (KD-36XS955 ONLY)	33K	0.50%	1/10W
R5851	1-218-726-11	METAL CHIP (ALL EXCEPT KD-36XS955)	27K	0.50%	1/10W	R5859	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W
R5851	1-218-732-11	METAL CHIP (KD-36XS955 ONLY)	47K	0.50%	1/10W	R5860	1-249-441-11	CARBON	100K	5%	1/4W
R5852	1-218-719-11	METAL CHIP (KD-30XS955 ONLY)	13K	0.50%	1/10W	R5861	1-218-704-11	METAL CHIP (KD-30XS955 ONLY)	3.3K	0.50%	1/10W
R5852	1-218-722-11	METAL CHIP (ALL EXCEPT KD-30XS955)	18K	0.50%	1/10W	R5861	1-218-708-11	METAL CHIP (ALL EXCEPT KD-30XS955)	4.7K	0.50%	1/10W
R5853	1-218-726-11	METAL CHIP (KD-30XS955 ONLY)	27K	0.50%	1/10W	R5862	1-218-712-11	METAL CHIP (KD-30XS955 ONLY)	6.8K	0.50%	1/10W
R5853	1-218-728-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	33K	0.50%	1/10W	R5862	1-218-714-11	METAL CHIP (ALL EXCEPT KD-30XS955)	8.2K	0.50%	1/10W
R5853	1-218-736-11	METAL CHIP (KD-36XS955 ONLY)	68K	0.50%	1/10W	R5863	1-218-722-11	METAL CHIP (ALL EXCEPT KD-30XS955)	18K	0.50%	1/10W
R5854	1-218-726-11	METAL CHIP (ALL EXCEPT KD-36XS955)	27K	0.50%	1/10W	R5863	1-218-724-11	METAL CHIP (KD-30XS955 ONLY)	22K	0.50%	1/10W
R5854	1-218-734-11	METAL CHIP (KD-36XS955 ONLY)	56K	0.50%	1/10W	R5864	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5855	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W	R5865	1-218-706-11	METAL CHIP (ALL EXCEPT KD-30XS955)	3.9K	0.50%	1/10W
R5855	1-218-734-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	56K	0.50%	1/10W	R5865	1-218-708-11	METAL CHIP (KD-30XS955 ONLY)	4.7K	0.50%	1/10W
R5855	1-218-736-11	METAL CHIP (KD-36XS955 ONLY)	68K	0.50%	1/10W	R5866	1-249-383-11	CARBON	1.5	5%	1/4W
R5856	1-218-722-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	18K	0.50%	1/10W	R5867	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5856	1-218-728-11	METAL CHIP (KD-36XS955 ONLY)	33K	0.50%	1/10W	R5868	1-218-706-11	METAL CHIP (ALL EXCEPT KD-30XS955)	3.9K	0.50%	1/10W
R5856	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W	R5868	1-218-708-11	METAL CHIP (KD-30XS955 ONLY)	4.7K	0.50%	1/10W
R5857	1-218-722-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	18K	0.50%	1/10W	R5869	1-249-383-11	CARBON	1.5	5%	1/4W
R5857	1-218-728-11	METAL CHIP (KD-36XS955 ONLY)	33K	0.50%	1/10W	R5871	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5857	1-218-730-11	METAL CHIP (KD-30XS955 ONLY)	39K	0.50%	1/10W	R5872	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
						R5873	1-218-706-11	METAL CHIP (ALL EXCEPT KD-30XS955)	3.9K	0.50%	1/10W
						R5873	1-218-708-11	METAL CHIP (KD-30XS955 ONLY)	4.7K	0.50%	1/10W
						R5874	1-249-441-11	CARBON	100K	5%	1/4W





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5875	1-215-858-00	METAL OXIDE (KD-36XS955 ONLY)	15	5%	1W	R5903	1-218-720-11	METAL CHIP (ALL EXCEPT KD-30XS955)	15K	0.50%	1/10W
R5875	1-215-859-00	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	22	5%	1W	R5903	1-218-722-11	METAL CHIP (KD-30XS955 ONLY)	18K	0.50%	1/10W
R5875	1-215-861-00	METAL OXIDE (KD-30XS955 ONLY)	47	5%	1W	R5904	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5876	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5905	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5877	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5906	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5879	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5907	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5880	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5908	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5883	1-218-719-11	METAL CHIP (KD-30XS955 ONLY)	13K	0.50%	1/10W	R5909	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5883	1-218-722-11	METAL CHIP (ALL EXCEPT KD-30XS955)	18K	0.50%	1/10W	R5912	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5884	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R5913	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5885	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5914	1-218-730-11	METAL CHIP	39K	0.50%	1/10W
R5886	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5915	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5887	1-218-706-11	METAL CHIP (ALL EXCEPT KD-30XS955)	3.9K	0.50%	1/10W	R5916	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R5887	1-218-708-11	METAL CHIP (KD-30XS955 ONLY)	4.7K	0.50%	1/10W	R5918	1-218-722-11	METAL CHIP (KD-30XS955 ONLY)	18K	0.50%	1/10W
R5889	1-249-383-11	CARBON	1.5	5%	1/4W	R5918	1-218-726-11	METAL CHIP (ALL EXCEPT KD-30XS955)	27K	0.50%	1/10W
R5890	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R5919	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5892	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5920	1-216-864-11	SHORT CHIP			
R5893	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5921	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5895	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5922	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5896	1-218-719-11	METAL CHIP (KD-30XS955 ONLY)	13K	0.50%	1/10W	R5923	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5896	1-218-722-11	METAL CHIP (ALL EXCEPT KD-30XS955)	18K	0.50%	1/10W	R5924	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5897	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5925	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5898	1-218-720-11	METAL CHIP (ALL EXCEPT KD-30XS955)	15K	0.50%	1/10W	R5926	1-216-864-11	SHORT CHIP			
R5898	1-218-722-11	METAL CHIP (KD-30XS955 ONLY)	18K	0.50%	1/10W	R5928	1-216-809-11	METAL CHIP	100	5%	1/10W
R5899	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R5930	1-216-864-11	SHORT CHIP			
R5901	1-218-720-11	METAL CHIP (ALL EXCEPT KD-30XS955)	15K	0.50%	1/10W						
R5901	1-218-722-11	METAL CHIP (KD-30XS955 ONLY)	18K	0.50%	1/10W						
R5902	1-218-720-11	METAL CHIP (ALL EXCEPT KD-30XS955)	15K	0.50%	1/10W						
R5902	1-218-722-11	METAL CHIP (KD-30XS955 ONLY)	18K	0.50%	1/10W						



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**A-1302-939-A P BOARD, COMPLETE**

The P and PA Boards are interchangeable.

Either board can be used as a replacement.

Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.

Data is provided for reference only.

**CAPACITOR**


C9507	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9508	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9509	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9511	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V


REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C9513	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C9570	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9514	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9571	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9515	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9575	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9516	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C9576	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9517	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9578	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9519	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9579	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C9521	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C9583	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9523	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C9584	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9524	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9585	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9586	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9526	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9587	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9527	1-164-505-11	CERAMIC CHIP	2.2μF		16V	C9588	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9528	1-126-246-11	ELECT CHIP	220μF	20%	4V	C9589	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9529	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C9623	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9530	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9824	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9531	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9825	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9532	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9826	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C9533	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9828	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9534	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9830	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9535	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9831	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C9832	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9538	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C9833	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
C9540	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V	C9835	1-100-588-21	ELECT CHIP	1000μF	20%	6.3V
C9541	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C9836	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V	C9839	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9543	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C9841	1-100-118-21	ELECT CHIP	82μF	20%	16V
C9545	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C9842	1-137-897-21	ELECT CHIP	150μF	20%	4V
C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V	C9843	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9547	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V						
C9549	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
C9550	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
C9551	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
C9552	1-126-246-11	ELECT CHIP	220μF	20%	4V						
C9553	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V						
C9554	1-126-394-11	ELECT CHIP	10μF	20%	16V						
C9555	1-126-394-11	ELECT CHIP	10μF	20%	16V						
C9557	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
C9558	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V						
C9559	1-126-394-11	ELECT CHIP	10μF	20%	16V						
C9560	1-126-246-11	ELECT CHIP	220μF	20%	4V						
C9561	1-100-756-91	CERAMIC CHIP	0.047μF		50V						
C9562	1-127-692-11	CERAMIC CHIP	10μF	10%	16V						
C9563	1-126-394-11	ELECT CHIP	10μF	20%	16V						
C9566	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V						
							</				

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9552	1-216-817-11	METAL CHIP	470	5%	1/10W	R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9555	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9864	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R9556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9866	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9557	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9867	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R9868	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9559	1-216-809-11	METAL CHIP	100	5%	1/10W	R9869	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9560	1-216-864-11	SHORT CHIP				R9882	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9562	1-216-809-11	METAL CHIP	100	5%	1/10W	R9884	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9563	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R9885	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9886	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9887	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9566	1-216-864-11	SHORT CHIP				R9888	1-218-847-11	METAL CHIP	1K	0.50%	1/10W
R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W	R9890	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W	R9891	1-216-809-11	METAL CHIP	100	5%	1/10W
R9574	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9575	1-216-809-11	METAL CHIP	100	5%	1/10W	<b>RESISTOR BRIDGE</b>					
R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W	RB9500	1-234-524-21	RES, CHIP NETWORK 33		(3216)	
R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W	RB9510	1-233-576-11	RES, CHIP NETWORK 100		(3216)	
R9580	1-216-809-11	METAL CHIP	100	5%	1/10W	RB9511	1-233-574-11	RES, CHIP NETWORK 10		(3216)	
R9581	1-216-809-11	METAL CHIP	100	5%	1/10W	RB9512	1-233-574-11	RES, CHIP NETWORK 10		(3216)	
R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB9517	1-236-908-11	NETWORK RESISTOR(CHIP)	10K		
R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R9585	1-216-809-11	METAL CHIP	100	5%	1/10W	<b>VARISTOR</b>					
R9586	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9500	6-500-701-01	DIODE		PGB1010603NR	
R9592	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9501	6-500-701-01	DIODE		PGB1010603NR	
R9595	1-216-817-11	METAL CHIP	470	5%	1/10W	VD9502	6-500-701-01	DIODE		PGB1010603NR	
R9597	1-216-803-11	METAL CHIP	33	5%	1/10W	VD9503	6-500-701-01	DIODE		PGB1010603NR	
R9602	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9504	6-500-701-01	DIODE		PGB1010603NR	
R9606	1-216-864-11	SHORT CHIP				VD9505	6-500-701-01	DIODE		PGB1010603NR	
R9611	1-216-864-11	SHORT CHIP				VD9506	6-500-701-01	DIODE		PGB1010603NR	
R9612	1-216-864-11	SHORT CHIP				VD9507	6-500-701-01	DIODE		PGB1010603NR	
R9614	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9518	6-500-701-01	DIODE		PGB1010603NR	
R9615	1-216-809-11	METAL CHIP	100	5%	1/10W	VD9519	6-500-701-01	DIODE		PGB1010603NR	
R9616	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W	<b>CRYSTAL</b>					
R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W	X9501	1-767-984-21	VIBRATOR, CRYSTAL			
R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R9627	1-216-809-11	METAL CHIP	100	5%	1/10W						
R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9852	1-218-644-11	METAL CHIP	10	0.50%	1/10W						
R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W						

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NOTE: Les composants identifiés par un triangle et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


**QH** **AZ**

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
<div><div>QH</div><div>A-1303-030-A QH BOARD, COMPLETE</div><div>Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method. Data is provided for reference only.</div></div>						C524	1-162-970-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.01μF	10%	25V	
						C525	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V	
						C526	1-162-927-11	CERAMIC CHIP (KD-34XBR960 ONLY)	100pF	5%	50V	
						C527	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V	
						C528	1-126-933-11	ELECT	100μF	20%	16V	
						C530	1-126-941-11	ELECT	470μF	20%	25V	
						C531	1-130-495-00	MYLAR	0.1μF	5%	50V	
*	A-1062-012-A	AZ BOARD, COMPLETE (KD-36XS955 ONLY)				C533	1-130-495-00	MYLAR	0.1μF	5%	50V	
*	A-1303-034-A	AZ BOARD, COMPLETE (KD-34XBR960 ONLY)				C535	1-115-156-11	CERAMIC CHIP (KD-34XBR960 ONLY)	1μF		10V	
*	A-1303-040-A	AZ BOARD, COMPLETE (KD-34XS955 ONLY)				C536	1-126-933-11	ELECT	100μF	20%	16V	
*	A-1303-044-A	AZ BOARD, COMPLETE (KD-30XS955 ONLY)				C537	1-126-941-11	ELECT	470μF	20%	25V	
	CAPACITOR					C538	1-165-176-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.047μF	10%	16V	
	C501	1-165-529-11	MYLAR	0.22μF	10	275V	C540	1-126-767-11	ELECT	1000μF	20%	16V
⚠	C503	1-165-529-11	MYLAR	0.22μF	10	275V	C541	1-162-961-11	CERAMIC CHIP (KD-34XBR960 ONLY)	330pF	10%	50V
	C505	1-127-794-51	CERAMIC	2200pF	20%	250V	C542	1-126-941-11	ELECT	470μF	20%	25V
	C508	1-127-794-51	CERAMIC	2200pF	20%	250V	C547	1-126-767-11	ELECT	1000μF	20%	16V
⚠	C512	1-165-530-21	MYLAR	0.47μF	10	0V	C549	1-126-960-11	ELECT	1μF	20%	50V
	C514	1-126-960-11	ELECT	1μF	20%	50V	C550	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V
	C515	1-126-947-11	ELECT	47μF	20%	35V	C551	1-126-960-11	ELECT	1μF	20%	50V
	C516	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V	C553	1-126-767-11	ELECT	1000μF	20%	16V
	C517	1-104-665-11	ELECT (KD-34XBR960 ONLY)	100μF	20%	25V	C555	1-126-933-11	ELECT (KD-34XBR960 ONLY)	100μF	20%	16V
	C518	1-126-967-11	ELECT (KD-34XBR960 ONLY)	47μF	20%	50V	C556	1-126-767-11	ELECT	1000μF	20%	16V
	C519	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V	C559	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	C520	1-162-966-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.0022μF	10%	50V	C563	1-126-947-11	ELECT	47μF	20%	35V
	C521	1-104-665-11	ELECT (KD-34XBR960 ONLY)	100μF	20%	25V	C565	1-115-156-11	CERAMIC CHIP	1μF		10V
	C522	1-126-964-11	ELECT (KD-34XBR960 ONLY)	10μF	20%	50V	C566	1-162-961-11	CERAMIC CHIP	330pF	10%	50V
	C523	1-104-665-11	ELECT (KD-34XBR960 ONLY)	100μF	20%	25V	C567	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V
						C569	1-126-767-11	ELECT	1000μF	20%	16V	
						C570	1-130-495-00	MYLAR	0.1μF	5%	50V	
						C571	1-130-495-00	MYLAR	0.1μF	5%	50V	
						C578	1-126-964-11	ELECT	10μF	20%	50V	
						C579	1-126-964-11	ELECT	10μF	20%	50V	
						C580	1-126-964-11	ELECT	10μF	20%	50V	
						C582	1-130-495-00	MYLAR	0.1μF	5%	50V	
						C583	1-126-960-11	ELECT	1μF	20%	50V	







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
NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
* CN522	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)	10P	D6904	8-719-082-03	DIODE	MM3Z15VT1
* CN524	1-564-515-11	PLUG, CONNECTOR	12P	D6905	8-719-082-03	DIODE	MM3Z15VT1
* CN526	1-564-508-11	PLUG, CONNECTOR	5P	D6907	6-500-567-21	DIODE	10ERB20-TB5
* CN527	1-564-511-61	PLUG, CONNECTOR	8P	D6908	8-719-063-70	DIODE	D1NL20U
* CN531	1-818-480-11	PIN, CONNECTOR	12P	D6909	8-719-022-97	DIODE	D2S4μF
* CN532	1-564-508-11	PLUG, CONNECTOR	5P	D6910	8-719-060-89	DIODE	D4SBS6-F
* CN900	1-779-892-11	CONNECTOR, BOARD TO BOARD	10P	D6911	8-719-052-90	DIODE	D1NL40-TA2
* CN903	1-564-506-11	PLUG, CONNECTOR	3P	D6913	8-719-068-71	DIODE	PTZ-TE25-13A
* CN6902	1-564-509-11	PLUG, CONNECTOR	6P	D6914	8-719-082-03	DIODE	MM3Z15VT1
<b>DIODE</b>				D6915	8-719-077-76	DIODE	D2SB60A-F04
D502	8-719-991-33	DIODE	1SS133T-77	D6916	8-719-052-90	DIODE	D1NL40-TA2
D510	8-719-991-33	DIODE	1SS133T-77	<b>FUSE</b>			
D511	8-719-991-33	DIODE	1SS133T-77	 F501	1-532-506-51	FUSE	6.3A 250V
D512	8-719-991-33	DIODE	1SS133T-77	<b>FERRITE BEAD</b>			
D513	8-719-991-33	DIODE	1SS133T-77	FB500	1-412-911-11	FERRITE	0μH
D514	8-719-991-33	DIODE	1SS133T-77	FB502	1-412-911-11	FERRITE	0μH
D515	8-719-991-33	DIODE	1SS133T-77	FB6900	1-412-911-11	FERRITE	0μH
D516	8-719-991-33	DIODE	1SS133T-77	<b>FUSE HOLDER</b>			
D517	8-719-991-33	DIODE	1SS133T-77	 FH501	1-533-223-11	FUSE HOLDER	0A 0V
D519	8-719-991-33	DIODE	1SS133T-77	 FH502	1-533-223-11	FUSE HOLDER	0A 0V
D520	8-719-991-33	DIODE	1SS133T-77	<b>SPARK ELEMENT</b>			
D521	8-719-991-33	DIODE	1SS133T-77	GD501	1-576-487-11	ELEMENT, SPARK	
D522	8-719-991-33	DIODE	1SS133T-77	GD502	1-576-487-11	ELEMENT, SPARK	
D523	8-719-991-33	DIODE	1SS133T-77	<b>IC</b>			
D524	8-719-991-33	DIODE	1SS133T-77	IC501	6-704-053-01	IC	L4931CZ50-AP
D525	8-719-991-33	DIODE	1SS133T-77	IC502	8-759-520-49	IC	PQ30RV21
D526	8-719-991-33	DIODE	1SS133T-77	IC504	6-700-898-01	IC	PQ05RD21
D527	8-719-991-33	DIODE	1SS133T-77	IC505	8-759-653-07	IC	PQ09RD21
D530	8-719-924-13	DIODE	MTZJ-T-77-22B	IC508	8-759-246-70	IC	TA8216H
D531	8-719-924-13	DIODE	MTZJ-T-77-22B	IC509	8-759-246-70	IC	TA8216H
D534	8-719-991-33	DIODE	1SS133T-77	IC900	8-749-016-08	IC	STK390-910
D535	8-719-991-33	DIODE	1SS133T-77	IC903	8-759-595-52	IC	CXA8070AP
D540	8-719-991-33	DIODE	1SS133T-77	IC904	8-759-700-07	IC	NJM2903M
D541	8-719-991-33	DIODE	1SS133T-77	(ALL EXCEPT KD-30XS955)			
D548	8-719-991-33	DIODE	1SS133T-77				
D900	8-719-110-31	DIODE	RD12ESB2				
D903	8-719-110-31	DIODE	RD12ESB2				
D905	8-719-991-33	DIODE	1SS133T-77				
	(ALL EXCEPT KD-30XS955)						
D6901	8-719-083-78	DIODE	10ERA60-TP				
D6902	8-719-082-03	DIODE	MM3Z15VT1				
D6903	8-719-082-03	DIODE	MM3Z15VT1				


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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES	
IC6900	6-705-810-01	IC	MCZ3001DB			<u>IC LINK</u>				
IC6901	8-759-586-17	IC	TL1431CZ-AP			PS501	1-532-984-11	IC LINK	2A	50V
IC6902	8-759-470-65	IC	PQ05RD1B			PS502	1-532-984-11	IC LINK	2A	50V
<u>CHIP CONDUCTOR</u>					PS900	1-532-637-00	IC LINK	1A	50V	
JR501	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)				PS901	1-532-637-00	IC LINK	1A	50V
JR502	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)				<u>TRANSISTOR</u>				
JR509	1-216-864-11	SHORT CHIP				Q501	8-729-422-27	TRANSISTOR	2SD601A-Q	
JR510	1-216-864-11	SHORT CHIP				Q504	8-729-424-02	TRANSISTOR (KD-34XBR960 ONLY)	2SB709A-QRS-TX	
JR511	1-216-864-11	SHORT CHIP				Q505	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
JR512	1-216-864-11	SHORT CHIP				Q506	8-729-424-02	TRANSISTOR (KD-34XBR960 ONLY)	2SB709A-QRS-TX	
JR513	1-216-864-11	SHORT CHIP				Q507	8-729-422-27	TRANSISTOR	2SD601A-Q	
JR514	1-216-864-11	SHORT CHIP				Q508	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
JR515	1-216-864-11	SHORT CHIP				Q509	8-729-422-27	TRANSISTOR	2SD601A-Q	
JR516	1-216-864-11	SHORT CHIP				Q510	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
JR601	1-216-864-11	SHORT CHIP				Q511	8-729-422-27	TRANSISTOR	2SD601A-Q	
<u>JUMPER WIRE</u>					Q512	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		
JW748	1-260-310-51	CARBON	33	5%	1/2W	Q513	8-729-422-27	TRANSISTOR	2SD601A-Q	
JW6901	1-412-911-11	FERRITE	0μH			Q515	8-729-422-27	TRANSISTOR	2SD601A-Q	
<u>COIL</u>					Q516	8-729-422-27	TRANSISTOR	2SD601A-Q		
L501	1-469-320-21	INDUCTOR (KD-34XBR960 ONLY)	100μH			Q517	8-729-422-27	TRANSISTOR	2SD601A-Q	
L502	1-412-525-31	INDUCTOR	10μH			Q518	8-729-422-27	TRANSISTOR	2SD601A-Q	
L503	1-469-320-21	INDUCTOR (KD-34XBR960 ONLY)	100μH			Q519	8-729-422-27	TRANSISTOR	2SD601A-Q	
L504	1-469-317-21	INDUCTOR (KD-34XBR960 ONLY)	10μH			Q520	8-729-422-27	TRANSISTOR	2SD601A-Q	
L508	1-412-529-11	INDUCTOR	22μH			Q521	8-729-422-27	TRANSISTOR	2SD601A-Q	
L510	1-433-404-21	TRANSFORMER, LINE FILTER				Q522	8-729-422-27	TRANSISTOR	2SD601A-Q	
L511	1-433-404-21	TRANSFORMER, LINE FILTER				Q528	8-729-422-27	TRANSISTOR	2SD601A-Q	
L900	1-408-612-31	INDUCTOR	56μH			Q903	8-729-422-27	TRANSISTOR	2SD601A-Q	
L6902	1-412-525-31	INDUCTOR	10μH			Q904	8-729-422-27	TRANSISTOR	2SD601A-Q	
L6903	1-406-659-11	INDUCTOR	10μH			Q905	8-729-422-27	TRANSISTOR (ALL EXCEPT KD-30XS955)	2SD601A-Q	
<u>PHOTO COUPLER</u>					Q906	8-729-422-27	TRANSISTOR (ALL EXCEPT KD-30XS955)	2SD601A-Q		
PH6900	8-749-016-81	PHOTO COUPLER	PC123Y22			Q6900	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122	
						Q6901	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122	
						Q6902	6-550-087-01	TRANSISTOR	RK9410TB	
						Q6903	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
						Q6904	8-729-422-27	TRANSISTOR	2SD601A-Q	

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
RESISTOR						R552	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R501	1-216-864-11	SHORT CHIP				R553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R504	1-216-833-11	METAL CHIP	10K	5%	1/10W	R554	1-216-864-11	SHORT CHIP			
R508	1-219-512-11	METAL	2.2M	5%	1/2W	R555	1-216-833-11	METAL CHIP	10K	5%	1/10W
 R509	1-244-270-11	CEMENTED	0.47	5%	20W	R556	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
 R510	1-244-270-11	CEMENTED	0.47	5%	20W						
R517	1-216-805-11	METAL CHIP	47	5%	1/10W	R557	1-216-821-11	METAL CHIP	1K	5%	1/10W
	(KD-34XBR960 ONLY)					R558	1-216-857-11	METAL CHIP	1M	5%	1/10W
R518	1-216-805-11	METAL CHIP	47	5%	1/10W	R559	1-216-847-11	METAL CHIP	150K	5%	1/10W
	(KD-34XBR960 ONLY)					R560	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-839-11	METAL CHIP	33K	5%	1/10W	R561	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)										
R520	1-216-837-11	METAL CHIP	22K	5%	1/10W	R563	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
	(KD-34XBR960 ONLY)					R564	1-216-847-11	METAL CHIP	150K	5%	1/10W
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		(KD-34XBR960 ONLY)				
	(KD-34XBR960 ONLY)					R566	1-216-864-11	SHORT CHIP			
R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R567	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)										
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W	R568	1-216-864-11	SHORT CHIP			
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W	R569	1-216-864-11	SHORT CHIP			
	(KD-34XBR960 ONLY)					R575	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R527	1-216-341-11	METAL OXIDE	0.22	5%	1W	R576	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R528	1-216-833-11	METAL CHIP	10K	5%	1/10W	R577	1-216-821-11	METAL CHIP	1K	5%	1/10W
	(KD-34XBR960 ONLY)										
R529	1-216-857-11	METAL CHIP	1M	5%	1/10W	R578	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	(KD-34XBR960 ONLY)					R579	1-216-821-11	METAL CHIP	1K	5%	1/10W
R530	1-216-847-11	METAL CHIP	150K	5%	1/10W	R580	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	(KD-34XBR960 ONLY)					R584	1-216-813-11	METAL CHIP	220	5%	1/10W
R531	1-216-821-11	METAL CHIP	1K	5%	1/10W	R585	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R532	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R586	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R533	1-216-833-11	METAL CHIP	10K	5%	1/10W	R587	1-216-833-11	METAL CHIP	10K	5%	1/10W
R534	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R535	1-218-722-11	METAL CHIP	18K	0.50%	1/10W	R589	1-216-833-11	METAL CHIP	10K	5%	1/10W
R536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R590	1-216-813-11	METAL CHIP	220	5%	1/10W
R537	1-218-750-11	METAL CHIP	270K	0.50%	1/10W	R591	1-216-821-11	METAL CHIP	1K	5%	1/10W
R538	1-216-847-11	METAL CHIP	150K	5%	1/10W	R592	1-216-833-11	METAL CHIP	10K	5%	1/10W
	(KD-34XBR960 ONLY)					R595	1-216-813-11	METAL CHIP	220	5%	1/10W
R539	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R596	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-821-11	METAL CHIP	1K	5%	1/10W	R598	1-216-833-11	METAL CHIP	10K	5%	1/10W
R542	1-216-821-11	METAL CHIP	1K	5%	1/10W	R599	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R544	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R600	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R548	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R601	1-216-813-11	METAL CHIP	220	5%	1/10W
R550	1-216-845-11	METAL CHIP	100K	5%	1/10W	R602	1-216-833-11	METAL CHIP	10K	5%	1/10W
R551	1-216-833-11	METAL CHIP	10K	5%	1/10W	R603	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R604	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R608	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R610	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R615	1-249-385-11	CARBON	2.2	5%	1/4W






REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R617	1-249-385-11	CARBON	2.2	5%	1/4W	R961	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R619	1-249-385-11	CARBON	2.2	5%	1/4W		(ALL EXCEPT KD-30XS955)				
R622	1-249-385-11	CARBON	2.2	5%	1/4W	R962	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R628	1-249-429-11	CARBON	10K	5%	1/4W		(ALL EXCEPT KD-30XS955)				
R629	1-249-429-11	CARBON	10K	5%	1/4W	R963	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
							(ALL EXCEPT KD-30XS955)				
R631	1-249-429-11	CARBON	10K	5%	1/4W	R963	1-216-864-11	SHORT CHIP			
R632	1-249-429-11	CARBON	10K	5%	1/4W		(KD-30XS955 ONLY)				
R643	1-216-864-11	SHORT CHIP				R964	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
R646	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-30XS955)				
R650	1-216-809-11	METAL CHIP	100	5%	1/10W	R965	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
							(ALL EXCEPT KD-30XS955)				
R651	1-216-817-11	METAL CHIP	470	5%	1/10W	R966	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W		(ALL EXCEPT KD-30XS955)				
R653	1-216-809-11	METAL CHIP	100	5%	1/10W	R967	1-216-833-11	METAL CHIP	10K	5%	1/10W
R655	1-216-820-11	METAL CHIP	820	5%	1/10W		(ALL EXCEPT KD-30XS955)				
R656	1-216-805-11	METAL CHIP	47	5%	1/10W	R968	1-216-833-11	METAL CHIP	10K	5%	1/10W
							(ALL EXCEPT KD-30XS955)				
R657	1-216-864-11	SHORT CHIP				R6902	1-218-869-11	METAL CHIP	8.2K	0.50%	1/10W
R660	1-216-805-11	METAL CHIP	47	5%	1/10W	R6903	1-218-837-11	METAL CHIP	390	0.50%	1/10W
R661	1-216-864-11	SHORT CHIP				R6904	1-245-478-21	METAL	470K	1%	1/4W
R662	1-218-285-11	METAL CHIP	75	5%	1/10W	R6905	1-218-873-11	METAL CHIP	12K	0.50%	1/10W
R663	1-218-285-11	METAL CHIP	75	5%	1/10W	R6907	1-245-478-21	METAL	470K	1%	1/4W
R664	1-218-285-11	METAL CHIP	75	5%	1/10W	R6908	1-218-823-11	METAL CHIP	100	0.50%	1/10W
R900	1-216-864-11	SHORT CHIP				R6909	1-249-417-11	CARBON	1K	5%	1/4W
R909	1-216-843-11	METAL CHIP	68K	5%	1/10W	R6910	1-249-393-11	CARBON	10	5%	1/4W
R910	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6911	1-249-393-11	CARBON	10	5%	1/4W
R911	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6912	1-216-833-11	METAL CHIP	10K	5%	1/10W
R912	1-216-385-11	METAL OXIDE	0.47	5%	3W	R6913	1-216-833-11	METAL CHIP	10K	5%	1/10W
R913	1-216-845-11	METAL CHIP	100K	5%	1/10W	R6916	1-216-817-11	METAL CHIP	470	5%	1/10W
R915	1-215-886-11	METAL OXIDE	100	5%	2W	R6917	1-216-864-11	SHORT CHIP			
R918	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6918	1-220-926-81	FUSIBLE	0.47	10%	1/2W
R920	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6919	1-244-207-11	WIREWOUND	3.3	5%	10W
R921	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6920	1-216-362-21	METAL OXIDE	0.27	5%	2W
R922	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6921	1-216-821-11	METAL CHIP	1K	5%	1/10W
R927	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R6922	1-249-393-11	CARBON	10	5%	1/4W
R930	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6923	1-216-821-11	METAL CHIP	1K	5%	1/10W
R933	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W	R6924	1-216-864-11	SHORT CHIP			
R939	1-216-805-11	METAL CHIP	47	5%	1/10W	R6926	1-260-131-11	CARBON	470K	5%	1/2W
R942	1-216-429-00	METAL OXIDE	270	5%	1W	R6927	1-216-833-11	METAL CHIP	10K	5%	1/10W
R945	1-216-805-11	METAL CHIP	47	5%	1/10W	R6928	1-260-131-11	CARBON	470K	5%	1/2W
R948	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6930	1-260-324-11	CARBON	470	5%	1/2W
R949	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6931	1-218-877-11	METAL CHIP	18K	0.50%	1/10W
R950	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W						
R951	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R954	1-216-821-11	METAL CHIP	1K	5%	1/10W						



NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**AZ** **BY**

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R6932	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	<div>BY</div> <div>* A-1303-035-A BY BOARD, COMPLETE (KD-34XBR960 ONLY)</div> <div>* A-1303-041-A BY BOARD, COMPLETE (ALL EXCEPT KD-34XBR960)</div>					
R6933	1-260-322-11	CARBON	330	5%	1/2W						
R6937	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6938	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6939	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6940	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6941	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6942	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6943	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R6944	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R6945	1-216-864-11	SHORT CHIP									
R6946	1-216-864-11	SHORT CHIP									
R6947	1-216-864-11	SHORT CHIP									
<u>RELAY</u>											
	RY501	1-755-389-11	RELAY (AC POWER)								
<u>TRANSFORMER</u>											
T6900	1-439-879-11	TRANSFORMER, CONVERTER (PIT)									
<u>TRANSFORMER</u>											
	TH501	1-803-970-11	THERMISTOR, POSITIVE								
<u>TUNER</u>											
TU501	8-598-594-30	TUNER, FSS BTF-FA421 (KD-34XBR960 ONLY)									
<u>VARISTOR</u>											
	VD501	1-804-992-21	VARISTOR								

C2801	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2802	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2804	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C2805	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2806	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2808	1-128-996-11	ELECT CHIP	4.7μF	20%	50V
C2809	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2810	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2811	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2812	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2813	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2814	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2815	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2816	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2817	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2818	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C2819	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2820	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2821	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2822	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2823	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2824	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2825	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C2826	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2827	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2828	1-110-563-11	CERAMIC CHIP	0.068μF	10%	16V
C2829	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C2830	1-128-996-11	ELECT CHIP	4.7μF	20%	50V
C2831	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2833	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2834	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	C3037	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2835	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3038	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2836	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3040	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2837	1-117-681-11	ELECT CHIP	100μF	20%	16V	C3042	1-128-391-11	ELECT CHIP	330μF	20%	6.3V
C2840	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3044	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2841	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3046	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2842	1-117-681-11	ELECT CHIP	100μF	20%	16V	C3047	1-126-204-11	ELECT CHIP	47μF	20%	16V
C2843	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3048	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2844	1-117-681-11	ELECT CHIP	100μF	20%	16V	C3049	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2845	1-117-681-11	ELECT CHIP	100μF	20%	16V	C3089	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2846	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3090	1-126-204-11	ELECT CHIP	47μF	20%	16V
C2847	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C3095	1-137-897-21	ELECT CHIP	150μF	20%	4V
C2849	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C3096	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C2850	1-117-681-11	ELECT CHIP	100μF	20%	16V	C3097	1-117-681-11	ELECT CHIP	100μF	20%	16V
C2851	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3098	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3005	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3101	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
C3006	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3102	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
C3008	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3103	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3009	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3301	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3011	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3302	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3012	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3303	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3013	1-128-391-11	ELECT CHIP	330μF	20%	6.3V	C3304	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3014	1-128-391-11	ELECT CHIP	330μF	20%	6.3V	C3305	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3015	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3307	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3016	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3308	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3017	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C3309	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3018	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3313	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3019	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3314	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3020	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3315	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3021	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3316	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3023	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C3317	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3024	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C3318	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3025	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3319	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3325	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3027	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3326	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3028	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3329	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3029	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3333	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3030	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3334	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3031	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3335	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3032	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3337	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3033	1-109-982-11	CERAMIC CHIP	1μF	10%	10V	C3341	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3034	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3343	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3035	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3349	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3036	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3350	1-164-156-11	CERAMIC CHIP	0.1μF		25V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3351	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3440	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C3357	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3441	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
C3358	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3442	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3359	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3444	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3360	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3446	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3363	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3449	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C3364	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3450	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3365	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3452	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3366	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3460	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C3367	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3462	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3368	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3463	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3369	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3464	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3370	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3465	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3371	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3466	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3372	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3467	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3374	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3468	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3375	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V	C3469	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3376	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3470	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C3377	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C3473	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3378	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3474	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3379	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3475	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3401	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3476	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3402	1-124-779-00	ELECT CHIP	10μF	20%	16V	C3477	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3403	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3478	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3404	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3479	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3405	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3480	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3406	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3481	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3407	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3482	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3408	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C3483	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3409	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3484	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C3410	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3485	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3411	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3486	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3412	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3487	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3413	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3488	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3414	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3489	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3417	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3490	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3418	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3491	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3424	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3492	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3426	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3493	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3428	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3494	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3431	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3495	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3435	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3496	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3436	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C3499	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C3439	1-164-156-11	CERAMIC CHIP	0.1μF	25V		C3500	1-126-206-11	ELECT CHIP	100μF	20%	6.3V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C3501	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C8642	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3613	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C8643	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3614	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C8644	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3615	1-124-779-00	ELECT CHIP	10μF	20%	16V	C8645	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3617	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C8646	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3618	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V	C8647	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3619	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C8648	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3622	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C8649	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3623	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C8650	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3624	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C8651	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3906	1-126-204-11	ELECT CHIP	47μF	20%	16V	C8652	1-126-205-11	ELECT CHIP	47μF	20%	6.3V
C3912	1-126-206-11	ELECT CHIP	100μF	20%	6.3V	C8653	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C8601	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C8654	1-126-206-11	ELECT CHIP	100μF	20%	6.3V
C8602	1-127-692-11	CERAMIC CHIP	10μF	10%	16V	C8655	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C8603	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C8656	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C8604	1-127-692-11	CERAMIC CHIP	10μF	10%	16V	C8657	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C8605	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	<b>CONNECTOR</b>					
C8606	1-127-692-11	CERAMIC CHIP	10μF	10%	16V	* CN2803	1-564-509-11	PLUG, CONNECTOR		6P	
C8607	1-164-156-11	CERAMIC CHIP	0.1μF		25V	* CN2805	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)		11P	
C8608	1-128-934-91	CERAMIC CHIP	0.33μF	20%	10V	<b>DIODE</b>					
C8609	1-162-967-11	CERAMIC CHIP	0.0033μF	10%	50V	D2803	8-719-404-50	DIODE		MA111-TX	
C8610	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	D2806	8-719-069-55	DIODE		UDZSTE-175.6B	
C8611	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	D3001	8-719-404-50	DIODE		MA111-TX	
C8612	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D3002	8-719-083-58	DIODE		UDZSTE-173.9B	
C8613	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D3089	8-719-800-76	DIODE		1SS226	
C8615	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D3090	8-719-800-76	DIODE		1SS226	
C8617	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3309	8-719-914-43	DIODE		DAN202K	
C8621	1-164-156-11	CERAMIC CHIP	0.1μF		25V		(KD-34XBR960 ONLY)				
C8622	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3310	8-719-914-44	DIODE		DAP202K	
C8623	1-164-156-11	CERAMIC CHIP	0.1μF		25V		(KD-34XBR960 ONLY)				
C8624	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3401	8-719-914-43	DIODE		DAN202K	
C8625	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3402	8-719-914-44	DIODE		DAP202K	
C8630	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3403	8-719-978-33	DIODE		DTZ-TT11-6.8B	
C8631	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D3404	8-719-404-50	DIODE		MA111-TX	
C8632	1-164-156-11	CERAMIC CHIP	0.1μF		25V	<b>FERRITE BEAD</b>					
C8633	1-164-156-11	CERAMIC CHIP	0.1μF		25V	FB3001	1-500-451-11	FERRITE		0μH	
C8634	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	FB3002	1-216-864-11	SHORT CHIP			
C8635	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	FB3301	1-414-235-22	FERRITE		0μH	
C8636	1-164-156-11	CERAMIC CHIP	0.1μF		25V		(KD-34XBR960 ONLY)				
C8637	1-164-156-11	CERAMIC CHIP	0.1μF		25V						
C8638	1-126-205-11	ELECT CHIP	47μF	20%	6.3V						
C8639	1-126-204-11	ELECT CHIP	47μF	20%	16V						
C8640	1-117-370-11	CERAMIC CHIP	10μF		10V						
C8641	1-117-370-11	CERAMIC CHIP	10μF		10V						



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
FB3302	1-414-235-22	FERRITE (KD-34XBR960 ONLY)	0μH	IC3413	8-759-549-07	IC	SN74LV157APWR
FB3303	1-216-809-11	METAL CHIP	100 5% 1/10W	IC3414	8-759-548-56	IC	M52055FP
FB3304	1-469-110-21	FERRITE	0μH	IC3606	8-759-641-26	IC	NJM2391DL1-33(TE1)
FB3401	1-414-235-22	FERRITE	0μH	IC3608	8-759-669-75	IC	TLC2932IPWR
FB3402	1-414-235-22	FERRITE	0μH	IC8601	8-752-093-03	IC	CXA3506R
FB3403	1-216-864-11	SHORT CHIP					
		<b><u>FILTER</u></b>			<b><u>COIL</u></b>		
FL3001	1-234-177-21	FERRITE	0μH	L2801	1-469-555-21	INDUCTOR	10μH
FL3002	1-234-177-21	FERRITE	0μH	L2803	1-469-555-21	INDUCTOR	10μH
FL3301	1-234-558-21	FILTER, LOW PASS		L2804	1-469-555-21	INDUCTOR	10μH
FL3302	1-234-557-21	FILTER, LOW PASS		L2805	1-469-555-21	INDUCTOR	10μH
FL3303	1-234-557-21	FILTER, LOW PASS		L2806	1-469-555-21	INDUCTOR	10μH
FL3401	1-781-923-21	FILTER, LOW PASS (SMD)		L2807	1-469-555-21	INDUCTOR	10μH
FL8601	1-234-559-21	FILTER, LOW PASS		L2811	1-469-555-21	INDUCTOR	10μH
FL8602	1-234-559-21	FILTER, LOW PASS		L3001	1-216-295-91	SHORT CHIP	
FL8603	1-234-560-21	FILTER, LOW PASS		L3004	1-412-026-11	INDUCTOR	1μH
		<b><u>IC</u></b>		L3005	1-412-026-11	INDUCTOR	1μH
IC2801	8-752-102-68	IC	CXA2170Q	L3007	1-469-555-21	INDUCTOR	10μH
IC3002	8-759-583-47	IC	UPC2933T-E2	L3009	1-469-555-21	INDUCTOR	10μH
IC3003	6-701-892-01	IC	TC90A90F(BH,DRY)	L3010	1-469-555-21	INDUCTOR	10μH
IC3004	8-759-642-22	IC	UPC29M05T-E2	L3011	1-469-555-21	INDUCTOR	10μH
IC3089	6-704-573-01	IC	M24C32-WMN6T(B)	L3089	1-414-233-22	FERRITE	0μH
IC3090	6-801-376-01	IC	MB94918RpF-G-147-BND	L3102	1-469-552-21	INDUCTOR	3.3μH
IC3091	8-759-352-91	IC	PST9143NL	L3304	1-469-555-21	INDUCTOR	10μH
IC3301	8-759-663-74	IC	HY57V161610DTC-7TR	L3310	1-469-561-21	INDUCTOR	100μH
IC3302	6-700-398-01	IC	UPC2918T-E1	L3311	1-469-561-21	INDUCTOR	100μH
IC3303	8-752-410-57	IC	CXD2097Q	L3402	1-412-052-21	INDUCTOR	1μH
	(KD-34XBR960 ONLY)			L3405	1-469-555-21	INDUCTOR	10μH
IC3303	8-752-409-78	IC	CXD2095AQ	L3406	1-469-555-21	INDUCTOR	10μH
	(ALL EXCEPT KD-34XBR960)			L3407	1-469-555-21	INDUCTOR	10μH
IC3306	8-759-669-78	IC	TLC2933IPWR-12	L3411	1-412-058-11	INDUCTOR	10μH
IC3401	6-700-399-01	IC	UPC2925T-E1	L3412	1-469-555-21	INDUCTOR	10μH
IC3402	6-702-318-01	IC	W986432DH-6	L3413	1-469-555-21	INDUCTOR	10μH
IC3403	8-759-460-29	IC	PST9120NL	L3414	1-469-555-21	INDUCTOR	10μH
IC3408	8-759-672-57	IC	CXD9509AQ	L3416	1-469-555-21	INDUCTOR	10μH
IC3409	8-759-833-72	IC	NJM2870F25-TE2	L3418	1-469-555-21	INDUCTOR	10μH
IC3410	8-752-409-20	IC	CXD2309AQ	L3903	1-412-052-21	INDUCTOR	1μH
IC3411	8-759-082-57	IC	TC7W04FU	L8601	1-469-555-21	INDUCTOR	10μH
				L8602	1-469-553-21	INDUCTOR	4.7μH
				L8603	1-469-555-21	INDUCTOR	10μH
				L8604	1-469-555-21	INDUCTOR	10μH





REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>TRANSISTOR</b>				Q3906	8-729-028-28 (KD-34XBR960 ONLY)	TRANSISTOR	2SK2036(TE85L)
Q2801	8-729-122-63	TRANSISTOR	2SA1226-E4	Q3907	8-729-028-28 (KD-34XBR960 ONLY)	TRANSISTOR	2SK2036(TE85L)
Q2802	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q8601	8-729-102-07	TRANSISTOR	2SC2223-F13
Q2803	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q8602	8-729-102-07	TRANSISTOR	2SC2223-F13
Q2804	8-729-422-27	TRANSISTOR	2SD601A-Q	Q8603	8-729-102-07	TRANSISTOR	2SC2223-F13
Q2805	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q8604	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2806	8-729-422-27	TRANSISTOR	2SD601A-Q	Q8605	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2807	8-729-422-27	TRANSISTOR	2SD601A-Q	Q8606	8-729-122-63	TRANSISTOR	2SA1226-E4
Q2811	8-729-122-63	TRANSISTOR	2SA1226-E4	Q8607	8-729-122-63	TRANSISTOR	2SA1226-E4
Q2812	8-729-122-63	TRANSISTOR	2SA1226-E4	Q8608	8-729-122-63	TRANSISTOR	2SA1226-E4
Q2813	8-729-122-63	TRANSISTOR	2SA1226-E4	Q8609	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q2818	8-729-422-27	TRANSISTOR	2SD601A-Q	<b>RESISTOR</b>			
Q2822	8-729-422-27	TRANSISTOR	2SD601A-Q	R2801	1-218-867-11	METAL CHIP	6.8K 0.50% 1/10W
Q2823	8-729-422-27	TRANSISTOR	2SD601A-Q	R2803	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q3003	8-729-422-27	TRANSISTOR	2SD601A-Q	R2804	1-216-805-11	METAL CHIP	47 5% 1/10W
Q3005	8-729-422-27	TRANSISTOR	2SD601A-Q	R2805	1-216-823-11	METAL CHIP	1.5K 5% 1/10W
Q3006	8-729-422-27	TRANSISTOR	2SD601A-Q	R2806	1-216-863-11	METAL CHIP	3.3M 5% 1/10W
Q3007	8-729-422-27	TRANSISTOR	2SD601A-Q	R2807	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3008	8-729-422-27	TRANSISTOR	2SD601A-Q	R2808	1-216-834-11	METAL CHIP	12K 5% 1/10W
Q3009	8-729-422-27	TRANSISTOR	2SD601A-Q	R2809	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q3089	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2810	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q3090	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2811	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3092	8-729-422-27	TRANSISTOR	2SD601A-Q	R2812	1-218-708-11	METAL CHIP	4.7K 0.50% 1/10W
Q3093	8-729-422-27	TRANSISTOR	2SD601A-Q	R2813	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q3302	8-729-422-27	TRANSISTOR	2SD601A-Q	R2815	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q3303	8-729-422-27	TRANSISTOR	2SD601A-Q	R2816	1-216-845-11	METAL CHIP	100K 5% 1/10W
Q3305	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2817	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3306	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2818	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3307	8-729-422-27	TRANSISTOR	2SD601A-Q	R2819	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3308	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2820	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3309	8-729-422-27	TRANSISTOR	2SD601A-Q	R2821	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3310	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2823	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q3311	8-729-422-27	TRANSISTOR	2SD601A-Q	R2824	1-216-809-11	METAL CHIP	100 5% 1/10W
Q3401	8-729-422-27	TRANSISTOR	2SD601A-Q	R2825	1-216-841-11	METAL CHIP	47K 5% 1/10W
Q3402	8-729-028-28	TRANSISTOR	2SK2036(TE85L)	R2826	1-218-716-11	METAL CHIP	10K 0.50% 1/10W
Q3404	8-729-028-28	TRANSISTOR	2SK2036(TE85L)	R2827	1-216-829-11	METAL CHIP	4.7K 5% 1/10W
Q3410	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2828	1-216-832-11	METAL CHIP	8.2K 5% 1/10W
Q3411	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2829	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q3412	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2830	1-216-818-11	METAL CHIP	560 5% 1/10W
Q3413	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2831	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q3414	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX				
Q3415	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX				
Q3416	8-729-422-27	TRANSISTOR	2SD601A-Q				



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2832	1-216-809-11	METAL CHIP	100	5%	1/10W	R2894	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2833	1-216-809-11	METAL CHIP	100	5%	1/10W	R2895	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2834	1-216-809-11	METAL CHIP	100	5%	1/10W	R2896	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2835	1-216-809-11	METAL CHIP	100	5%	1/10W	R2897	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2836	1-216-809-11	METAL CHIP	100	5%	1/10W	R2898	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2837	1-216-809-11	METAL CHIP	100	5%	1/10W	R2899	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R2838	1-216-809-11	METAL CHIP	100	5%	1/10W	R2900	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2839	1-216-809-11	METAL CHIP	100	5%	1/10W	R2901	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2840	1-216-809-11	METAL CHIP	100	5%	1/10W	R2902	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2841	1-216-809-11	METAL CHIP	100	5%	1/10W	R2907	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2842	1-216-809-11	METAL CHIP	100	5%	1/10W	R2908	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2843	1-216-809-11	METAL CHIP	100	5%	1/10W	R2909	1-218-656-11	METAL CHIP	33	0.50%	1/10W
R2844	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R2911	1-216-864-11	SHORT CHIP			
R2845	1-216-809-11	METAL CHIP	100	5%	1/10W	R2913	1-216-864-11	SHORT CHIP			
R2846	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R2919	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R2847	1-216-809-11	METAL CHIP	100	5%	1/10W	R2920	1-216-864-11	SHORT CHIP			
R2848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2921	1-216-864-11	SHORT CHIP			
R2849	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2922	1-216-864-11	SHORT CHIP			
R2850	1-216-809-11	METAL CHIP	100	5%	1/10W	R3002	1-216-864-11	SHORT CHIP			
R2851	1-216-815-11	METAL CHIP	330	5%	1/10W	R3004	1-216-864-11	SHORT CHIP			
R2853	1-216-864-11	SHORT CHIP				R3013	1-216-809-11	METAL CHIP	100	5%	1/10W
R2854	1-216-864-11	SHORT CHIP				R3014	1-216-809-11	METAL CHIP	100	5%	1/10W
R2858	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R3015	1-216-809-11	METAL CHIP	100	5%	1/10W
R2860	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2861	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3020	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2862	1-216-809-11	METAL CHIP	100	5%	1/10W	R3021	1-216-809-11	METAL CHIP	100	5%	1/10W
R2865	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3022	1-216-809-11	METAL CHIP	100	5%	1/10W
R2866	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2867	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3025	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2868	1-216-809-11	METAL CHIP	100	5%	1/10W	R3026	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2869	1-216-809-11	METAL CHIP	100	5%	1/10W	R3029	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2870	1-216-809-11	METAL CHIP	100	5%	1/10W	R3030	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2880	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3031	1-216-809-11	METAL CHIP	100	5%	1/10W
R2881	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R3035	1-216-809-11	METAL CHIP	100	5%	1/10W
R2883	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3036	1-216-809-11	METAL CHIP	100	5%	1/10W
R2884	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3037	1-216-809-11	METAL CHIP	100	5%	1/10W
R2885	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3038	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R2886	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3039	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R2887	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3040	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R2889	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3043	1-216-864-11	SHORT CHIP			
R2890	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3045	1-216-809-11	METAL CHIP	100	5%	1/10W
R2891	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3047	1-216-864-11	SHORT CHIP			
R2892	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3049	1-216-859-11	METAL CHIP	1.5M	5%	1/10W
R2893	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3050	1-216-833-11	METAL CHIP	10K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3051	1-216-864-11	SHORT CHIP				R3324	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3063	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-34XBR960)				
R3064	1-216-864-11	SHORT CHIP				R3325	1-216-864-11	SHORT CHIP			
R3066	1-216-809-11	METAL CHIP	100	5%	1/10W		(KD-34XBR960 ONLY)				
R3068	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3325	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
							(ALL EXCEPT KD-34XBR960)				
R3069	1-216-820-11	METAL CHIP	820	5%	1/10W	R3326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3070	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-34XBR960)				
R3071	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3335	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3072	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3341	1-216-813-11	METAL CHIP	220	5%	1/10W
R3073	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3342	1-218-705-11	METAL CHIP	3.6K	0.50%	1/10W
R3074	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R3343	1-216-809-11	METAL CHIP	100	5%	1/10W
R3075	1-216-801-11	METAL CHIP	22	5%	1/10W	R3344	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3076	1-216-864-11	SHORT CHIP				R3345	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R3077	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3346	1-216-809-11	METAL CHIP	100	5%	1/10W
R3078	1-216-815-11	METAL CHIP	330	5%	1/10W	R3347	1-216-815-11	METAL CHIP	330	5%	1/10W
R3079	1-216-815-11	METAL CHIP	330	5%	1/10W	R3348	1-216-864-11	SHORT CHIP			
R3089	1-216-864-11	SHORT CHIP				R3349	1-218-687-11	METAL CHIP	620	0.50%	1/10W
R3091	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3350	1-216-814-11	METAL CHIP	270	5%	1/10W
R3092	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3351	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3093	1-216-864-11	SHORT CHIP				R3352	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3095	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3353	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3096	1-216-817-11	METAL CHIP	470	5%	1/10W	R3354	1-216-813-11	METAL CHIP	220	5%	1/10W
R3097	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3355	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3098	1-216-805-11	METAL CHIP	47	5%	1/10W	R3357	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3099	1-216-805-11	METAL CHIP	47	5%	1/10W	R3358	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3100	1-216-809-11	METAL CHIP	100	5%	1/10W						
	(ALL EXCEPT KD-34XBR960)					R3359	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R3101	1-216-809-11	METAL CHIP	100	5%	1/10W	R3360	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
	(ALL EXCEPT KD-34XBR960)					R3364	1-216-864-11	SHORT CHIP			
R3102	1-216-809-11	METAL CHIP	100	5%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3103	1-216-809-11	METAL CHIP	100	5%	1/10W	R3366	1-216-864-11	SHORT CHIP			
R3104	1-216-809-11	METAL CHIP	100	5%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3105	1-216-809-11	METAL CHIP	100	5%	1/10W	R3365	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3107	1-216-864-11	SHORT CHIP				R3367	1-216-805-11	METAL CHIP	47	5%	1/10W
R3108	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3368	1-216-864-11	SHORT CHIP			
							(KD-34XBR960 ONLY)				
R3110	1-216-809-11	METAL CHIP	100	5%	1/10W	R3369	1-216-864-11	SHORT CHIP			
R3111	1-216-809-11	METAL CHIP	100	5%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3116	1-216-797-11	METAL CHIP	10	5%	1/10W	R3370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3117	1-216-797-11	METAL CHIP	10	5%	1/10W	R3371	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R3302	1-216-817-11	METAL CHIP	470	5%	1/10W	R3372	1-216-817-11	METAL CHIP	470	5%	1/10W
R3303	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R3373	1-216-817-11	METAL CHIP	470	5%	1/10W
R3304	1-216-809-11	METAL CHIP	100	5%	1/10W	R3374	1-216-809-11	METAL CHIP	100	5%	1/10W
R3323	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
	(ALL EXCEPT KD-34XBR960)										



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3375	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3422	1-216-864-11	SHORT CHIP			
R3376	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R3428	1-469-094-21	FERRITE	0μH		
R3377	1-216-817-11	METAL CHIP	470	5%	1/10W	R3435	1-216-809-11	METAL CHIP	100	5%	1/10W
R3378	1-216-817-11	METAL CHIP	470	5%	1/10W	R3436	1-216-809-11	METAL CHIP	100	5%	1/10W
R3379	1-216-809-11	METAL CHIP	100	5%	1/10W	R3437	1-216-809-11	METAL CHIP	100	5%	1/10W
R3380	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3438	1-216-809-11	METAL CHIP	100	5%	1/10W
R3381	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R3439	1-216-809-11	METAL CHIP	100	5%	1/10W
R3382	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3440	1-216-809-11	METAL CHIP	100	5%	1/10W
R3383	1-216-817-11	METAL CHIP	470	5%	1/10W	R3441	1-216-809-11	METAL CHIP	100	5%	1/10W
R3384	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3442	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3385	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3445	1-216-864-11	SHORT CHIP			
R3386	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3451	1-216-809-11	METAL CHIP	100	5%	1/10W
R3387	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3452	1-216-864-11	SHORT CHIP			
R3388	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3454	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3389	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3457	1-216-813-11	METAL CHIP	220	5%	1/10W
R3390	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3391	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3392	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3466	1-216-813-11	METAL CHIP	220	5%	1/10W
R3393	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3468	1-216-864-11	SHORT CHIP			
R3394	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R3469	1-216-864-11	SHORT CHIP			
R3395	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)				R3470	1-216-809-11	METAL CHIP	100	5%	1/10W
R3396	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)				R3473	1-216-864-11	SHORT CHIP			
R3400	1-216-864-11	SHORT CHIP				R3475	1-216-809-11	METAL CHIP	100	5%	1/10W
R3401	1-216-864-11	SHORT CHIP				R3480	1-216-809-11	METAL CHIP	100	5%	1/10W
R3406	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3489	1-216-864-11	SHORT CHIP			
R3407	1-216-864-11	SHORT CHIP				R3490	1-216-864-11	SHORT CHIP			
R3409	1-216-864-11	SHORT CHIP				R3494	1-216-813-11	METAL CHIP	220	5%	1/10W
R3410	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3497	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3411	1-216-797-11	METAL CHIP	10	5%	1/10W	R3498	1-216-818-11	METAL CHIP	560	5%	1/10W
R3421	1-216-864-11	SHORT CHIP				R3507	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3508	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3509	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3510	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3511	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3512	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R3533	1-216-809-11	METAL CHIP	100	5%	1/10W
						R3534	1-216-809-11	METAL CHIP	100	5%	1/10W
						R3535	1-216-809-11	METAL CHIP	100	5%	1/10W
						R3536	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R3537	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R3538	1-216-864-11	SHORT CHIP			
						R3539	1-216-864-11	SHORT CHIP			
						R3540	1-216-864-11	SHORT CHIP			
						R3541	1-216-864-11	SHORT CHIP			



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R3542	1-216-864-11	SHORT CHIP				R3928	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3575	1-216-864-11	SHORT CHIP					(KD-34XBR960 ONLY)				
R3800	1-216-864-11	SHORT CHIP				R3933	1-216-864-11	SHORT CHIP			
R3811	1-216-809-11	METAL CHIP	100	5%	1/10W	R3937	1-216-809-11	METAL CHIP	100	5%	1/10W
R3812	1-216-809-11	METAL CHIP	100	5%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3813	1-216-809-11	METAL CHIP	100	5%	1/10W	R3956	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3820	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3957	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3821	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3958	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3822	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R3973	1-216-809-11	METAL CHIP	100	5%	1/10W
R3823	1-216-826-11	METAL CHIP	2.7K	5%	1/10W		(KD-34XBR960 ONLY)				
R3824	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3974	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3825	1-216-826-11	METAL CHIP	2.7K	5%	1/10W		(KD-34XBR960 ONLY)				
R3826	1-216-809-11	METAL CHIP	100	5%	1/10W	R3975	1-216-864-11	SHORT CHIP			
R3828	1-218-682-11	METAL CHIP	390	0.50%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3829	1-218-682-11	METAL CHIP	390	0.50%	1/10W	R3976	1-216-864-11	SHORT CHIP			
							(ALL EXCEPT KD-34XBR960)				
R3830	1-218-682-11	METAL CHIP	390	0.50%	1/10W	R3977	1-216-864-11	SHORT CHIP			
R3831	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-34XBR960)				
R3832	1-216-864-11	SHORT CHIP				R3978	1-216-864-11	SHORT CHIP			
R3833	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-34XBR960)				
R3840	1-216-805-11	METAL CHIP	47	5%	1/10W	R3979	1-216-864-11	SHORT CHIP			
							(ALL EXCEPT KD-34XBR960)				
R3846	1-216-801-11	METAL CHIP	22	5%	1/10W	R3980	1-216-864-11	SHORT CHIP			
R3847	1-216-801-11	METAL CHIP	22	5%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3981	1-216-864-11	SHORT CHIP			
R3849	1-218-675-11	METAL CHIP	200	0.50%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3850	1-218-675-11	METAL CHIP	200	0.50%	1/10W	R3982	1-216-864-11	SHORT CHIP			
							(ALL EXCEPT KD-34XBR960)				
R3851	1-216-809-11	METAL CHIP	100	5%	1/10W	R3983	1-216-864-11	SHORT CHIP			
R3852	1-218-675-11	METAL CHIP	200	0.50%	1/10W		(ALL EXCEPT KD-34XBR960)				
R3854	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3984	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3857	1-216-809-11	METAL CHIP	100	5%	1/10W	R3985	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3858	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R3986	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3862	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8606	1-216-819-11	METAL CHIP	680	5%	1/10W
R3863	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R8607	1-216-819-11	METAL CHIP	680	5%	1/10W
R3864	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8608	1-216-819-11	METAL CHIP	680	5%	1/10W
R3865	1-216-809-11	METAL CHIP	100	5%	1/10W	R8609	1-216-809-11	METAL CHIP	100	5%	1/10W
R3866	1-414-234-22	FERRITE	0μH			R8610	1-216-809-11	METAL CHIP	100	5%	1/10W
R3867	1-414-234-22	FERRITE	0μH			R8611	1-216-809-11	METAL CHIP	100	5%	1/10W
R3868	1-414-234-22	FERRITE	0μH			R8612	1-216-820-11	METAL CHIP	820	5%	1/10W
R3881	1-216-807-11	METAL CHIP	68	5%	1/10W	R8613	1-216-820-11	METAL CHIP	820	5%	1/10W
R3882	1-216-807-11	METAL CHIP	68	5%	1/10W	R8614	1-216-820-11	METAL CHIP	820	5%	1/10W
R3883	1-216-807-11	METAL CHIP	68	5%	1/10W	R8615	1-216-809-11	METAL CHIP	100	5%	1/10W
R3911	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R3917	1-216-809-11	METAL CHIP	100	5%	1/10W						
	(KD-34XBR960 ONLY)										

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES
R8616	1-216-809-11	METAL CHIP	100	5%	1/10W	RB3015	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8617	1-216-809-11	METAL CHIP	100	5%	1/10W	RB3304	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8618	1-218-679-11	METAL CHIP	300	0.50%	1/10W	RB3305	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8619	1-218-679-11	METAL CHIP	300	0.50%	1/10W	RB3306	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8620	1-218-675-11	METAL CHIP	200	0.50%	1/10W	RB3307	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8621	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3401	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8622	1-218-679-11	METAL CHIP	300	0.50%	1/10W	RB3402	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8623	1-218-679-11	METAL CHIP	300	0.50%	1/10W	RB3403	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8624	1-218-675-11	METAL CHIP	200	0.50%	1/10W	RB3404	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8625	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3405	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8626	1-216-809-11	METAL CHIP	100	5%	1/10W	RB3406	1-234-524-21	RES, CHIP NETWORK 33	(3216)
R8627	1-216-809-11	METAL CHIP	100	5%	1/10W	RB3407	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8628	1-216-809-11	METAL CHIP	100	5%	1/10W	RB3408	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8629	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	RB3409	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8630	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	RB3410	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8631	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	RB3411	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8632	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3412	1-239-409-11	NETWORK RESISTOR(CHIP)	47
R8636	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3421	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8637	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3422	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8638	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3423	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8639	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	RB3424	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8641	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3425	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8642	1-218-703-11	METAL CHIP	3K	0.50%	1/10W	RB3426	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8643	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3427	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8645	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3428	1-233-576-11	RES, CHIP NETWORK 100	(3216)
R8646	1-216-821-11	METAL CHIP	1K	5%	1/10W	RB3436	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R8647	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB3437	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R8648	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	RB3438	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R8650	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB3439	1-234-523-21	RES, CHIP NETWORK 0	(3216)
R8651	1-216-801-11	METAL CHIP	22	5%	1/10W				
R8652	1-216-833-11	METAL CHIP	10K	5%	1/10W				
R8653	1-216-833-11	METAL CHIP	10K	5%	1/10W				
R8654	1-216-864-11	SHORT CHIP				X2801	1-760-895-21	VIBRATOR, CERAMIC	
R8655	1-216-864-11	SHORT CHIP				X3089	1-781-945-21	VIBRATOR, CERAMIC	
						X3401	1-781-887-21	VIBRATOR, CRYSTAL	
<b>RESISTOR BRIDGE</b>									
RB3001	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3002	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3003	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3004	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3011	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3013	1-239-409-11	NETWORK RESISTOR(CHIP)	47						
RB3014	1-239-409-11	NETWORK RESISTOR(CHIP)	47						





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
<div><div>MZ</div><div><div><div>*A-1303-036-A MZ BOARD, COMPLETE</div><div>(KD-34XBR960 ONLY)</div></div><div><div>*A-1303-043-A MZ BOARD, COMPLETE</div><div>(ALL EXCEPT KD-34XBR960)</div></div></div><div><div>Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.</div><div>Data is provided for reference only.</div></div><div><div>CAPACITOR</div><div><div>C20011-162-917-11CERAMIC CHIP15pF5%50V</div><div>(KD-34XBR960 ONLY)</div><div>C20021-126-933-11ELECT100μF20%16V</div><div>(KD-34XBR960 ONLY)</div><div>C20031-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div><div>C20041-164-227-11CERAMIC CHIP0.022μF10%25V</div><div>(KD-34XBR960 ONLY)</div><div>C20051-162-964-11CERAMIC CHIP0.001μF10%50V</div><div>(KD-34XBR960 ONLY)</div><div>C20061-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div><div>C20071-126-964-11ELECT10μF20%50V</div><div>(KD-34XBR960 ONLY)</div><div>C20101-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div><div>C20111-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div><div>C20121-107-826-11CERAMIC CHIP0.1μF10%16V</div><div>(KD-34XBR960 ONLY)</div><div>C20141-164-156-11CERAMIC CHIP0.1μF25V</div><div>C20151-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div><div>C20171-126-964-11ELECT10μF20%50V</div><div>C20191-126-964-11ELECT10μF20%50V</div><div>C20201-126-964-11ELECT10μF20%50V</div><div>C20221-126-964-11ELECT10μF20%50V</div><div>C20241-126-933-11ELECT100μF20%16V</div><div>(KD-34XBR960 ONLY)</div><div>C20251-164-156-11CERAMIC CHIP0.1μF25V</div><div>(KD-34XBR960 ONLY)</div></div></div></div>						C2027	1-126-964-11	ELECT	10μF	20%	50V
C2028	1-126-933-11	ELECT	100μF	20%	16V	(KD-34XBR960 ONLY)					
C2029	1-126-964-11	ELECT	10μF	20%	50V	C2031	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						(KD-34XBR960 ONLY)					
C2032	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	(KD-34XBR960 ONLY)					
C2033	1-126-933-11	ELECT	100μF	20%	16V	(KD-34XBR960 ONLY)					
C2034	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2035	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2036	1-164-156-11	CERAMIC CHIP	0.1μF		25V	(KD-34XBR960 ONLY)					
C2037	1-164-156-11	CERAMIC CHIP	0.1μF		25V	(KD-34XBR960 ONLY)					
C2038	1-162-916-11	CERAMIC CHIP	12pF	5%	50V	C2039	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2040	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	C2041	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2042	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2043	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2044	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C2045	1-126-933-11	ELECT	100μF	20%	16V
C2046	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2047	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						(KD-34XBR960 ONLY)					
C2048	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	(KD-34XBR960 ONLY)					
C2049	1-162-916-11	CERAMIC CHIP	12pF	5%	50V	(KD-34XBR960 ONLY)					
C2050	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2051	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
						(KD-34XBR960 ONLY)					
C2052	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	(KD-34XBR960 ONLY)					
C2053	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	(KD-34XBR960 ONLY)					
C2054	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	(KD-34XBR960 ONLY)					
C2055	1-126-933-11	ELECT	100μF	20%	16V	(KD-34XBR960 ONLY)					
C2056	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	(KD-34XBR960 ONLY)					



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2057	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2089	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2058	1-126-963-11	ELECT	4.7μF	20%	50V	C2090	1-216-864-11	SHORT CHIP			
C2059	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2091	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2060	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2092	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C2061	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			(KD-34XBR960 ONLY)			
C2062	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2096	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2063	1-126-963-11	ELECT	4.7μF	20%	50V	C2097	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
		(KD-34XBR960 ONLY)				C2098	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2064	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C2099	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2065	1-126-933-11	ELECT	100μF	20%	16V	C2100	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2066	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2101	1-126-933-11	ELECT	100μF	20%	16V
C2067	1-109-982-11	CERAMIC CHIP	1μF	10%	10V			(KD-34XBR960 ONLY)			
C2068	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2102	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2069	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2103	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2070	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C2104	1-164-156-11	CERAMIC CHIP	0.1μF		25V
		(KD-34XBR960 ONLY)						(KD-34XBR960 ONLY)			
C2071	1-126-963-11	ELECT	4.7μF	20%	50V	C2105	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2072	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2106	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2073	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2107	1-164-156-11	CERAMIC CHIP	0.1μF		25V
		(KD-34XBR960 ONLY)				C2108	1-126-933-11	ELECT	100μF	20%	16V
C2074	1-126-933-11	ELECT	100μF	20%	16V	C2109	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
		(KD-34XBR960 ONLY)									
C2075	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2110	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2076	1-109-982-11	CERAMIC CHIP	1μF	10%	10V	C2111	1-126-964-11	ELECT	10μF	20%	50V
		(KD-34XBR960 ONLY)						(KD-34XBR960 ONLY)			
C2077	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C2112	1-126-964-11	ELECT	10μF	20%	50V
C2078	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V			(KD-34XBR960 ONLY)			
		(KD-34XBR960 ONLY)				C2113	1-126-964-11	ELECT	10μF	20%	50V
C2079	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			(KD-34XBR960 ONLY)			
		(KD-34XBR960 ONLY)				C2114	1-126-964-11	ELECT	10μF	20%	50V
C2080	1-126-963-11	ELECT	4.7μF	20%	50V			(KD-34XBR960 ONLY)			
		(KD-34XBR960 ONLY)				C2115	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2081	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2116	1-126-933-11	ELECT	100μF	20%	16V
C2082	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	C2117	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2083	1-109-982-11	CERAMIC CHIP	1μF	10%	10V	C2118	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2084	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V			(KD-34XBR960 ONLY)			
		(KD-34XBR960 ONLY)				C2119	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2085	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V			(KD-34XBR960 ONLY)			
C2086	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C2120	1-126-964-11	ELECT	10μF	20%	50V
		(KD-34XBR960 ONLY)						(KD-34XBR960 ONLY)			
C2087	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V	C2121	1-126-964-11	ELECT	10μF	20%	50V
		(KD-34XBR960 ONLY)						(KD-34XBR960 ONLY)			
C2088	1-216-864-11	SHORT CHIP				C2122	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
						C2123	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
						C2124	1-164-156-11	CERAMIC CHIP	0.1μF		25V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2125	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2234	1-126-933-11	ELECT	100μF	20%	16V
C2126	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2235	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2127	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2236	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2130	1-126-933-11	ELECT	100μF	20%	16V	C2237	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2131	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2238	1-126-933-11	ELECT	100μF	20%	16V
C2132	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2239	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2137	1-126-964-11	ELECT	10μF	20%	50V	C2240	1-126-933-11	ELECT	100μF	20%	16V
C2138	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2241	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2139	1-126-964-11	ELECT	10μF	20%	50V	C2242	1-126-934-11	ELECT	220μF	20%	16V
C2140	1-126-964-11	ELECT	10μF	20%	50V	C2243	1-126-934-11	ELECT	220μF	20%	16V
C2141	1-126-964-11	ELECT	10μF	20%	50V	C2244	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2200	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2245	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2201	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2246	1-126-947-11	ELECT	47μF	20%	35V
C2202	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2247	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2204	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2248	1-162-975-11	CERAMIC CHIP	24pF	5%	50V
C2205	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2249	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C2206	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2250	1-164-360-11	CERAMIC CHIP	0.1μF		16V
C2207	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2251	1-164-392-11	CERAMIC CHIP	390pF	5%	50V
C2208	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2300	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C2209	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2301	1-126-933-11	ELECT	100μF	20%	16V
C2210	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2302	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2211	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2305	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2212	1-126-933-11	ELECT	100μF	20%	16V	C2306	1-162-920-11	CERAMIC CHIP	27pF	5%	50V
C2213	1-126-947-11	ELECT	47μF	20%	35V	C2307	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2214	1-126-933-11	ELECT	100μF	20%	16V	C2308	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2215	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2309	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2216	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2310	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
C2217	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2311	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2218	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2313	1-115-156-11	CERAMIC CHIP	1μF		10V
C2219	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2315	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2220	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2317	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2221	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2318	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2222	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2319	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2223	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	C2331	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2224	1-115-156-11	CERAMIC CHIP	1μF		10V	(KD-34XBR960 ONLY)					
C2225	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2347	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2226	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2348	1-126-933-11	ELECT	100μF	20%	16V
C2227	1-126-933-11	ELECT	100μF	20%	16V	(KD-34XBR960 ONLY)					
C2228	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V	C2349	1-162-968-11	CERAMIC CHIP	0.0047μF	10%	50V
C2229	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V	C2352	1-126-933-11	ELECT	100μF	20%	16V
C2230	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	C2353	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2231	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C2354	1-162-907-11	CERAMIC CHIP	2pF	0.25pF	50V
C2232	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2355	1-164-245-11	CERAMIC CHIP	0.015μF	10%	25V
C2233	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2358	1-104-655-91	ELECT	470μF	20%	6.3V



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C2359	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2535	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C2361	1-126-933-11	ELECT	100μF	20%	16V	C2536	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V
C2362	1-126-933-11	ELECT	100μF	20%	16V	C2538	1-126-947-11	ELECT	47μF	20%	35V
C2364	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2539	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2366	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2540	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2367	1-164-156-11	CERAMIC CHIP (KD-34XBR960 ONLY)	0.1μF		25V	C2541	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C2368	1-162-963-11	CERAMIC CHIP (KD-34XBR960 ONLY)	680pF	10%	50V	C2542	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2369	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C2543	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2370	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2544	1-126-963-11	ELECT	4.7μF	20%	50V
C2371	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V	C2545	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C2372	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2546	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C2373	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2548	1-126-947-11	ELECT	47μF	20%	35V
C2374	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2549	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2375	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2550	1-126-963-11	ELECT	4.7μF	20%	50V
C2376	1-162-963-11	CERAMIC CHIP	680pF	10%	50V	C2551	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2500	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C2553	1-126-947-11	ELECT	47μF	20%	35V
C2501	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C2554	1-126-947-11	ELECT	47μF	20%	35V
C2503	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2558	1-126-963-11	ELECT	4.7μF	20%	50V
C2504	1-126-933-11	ELECT	100μF	20%	16V	C2559	1-126-933-11	ELECT	100μF	20%	16V
C2506	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2560	1-126-947-11	ELECT	47μF	20%	35V
C2508	1-126-933-11	ELECT	100μF	20%	16V	C2561	1-126-963-11	ELECT	4.7μF	20%	50V
C2510	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2563	1-126-961-11	ELECT	2.2μF	20%	50V
C2512	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2564	1-126-961-11	ELECT	2.2μF	20%	50V
C2513	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C2565	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2514	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C2566	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2515	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2569	1-126-961-11	ELECT	2.2μF	20%	50V
C2516	1-126-933-11	ELECT	100μF	20%	16V	C2570	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C2517	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C2571	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2518	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C2572	1-126-960-11	ELECT	1μF	20%	50V
C2519	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2574	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C2520	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2575	1-126-960-11	ELECT	1μF	20%	50V
C2521	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2579	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2522	1-126-947-11	ELECT	47μF	20%	35V	C2582	1-126-933-11	ELECT	100μF	20%	16V
C2523	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C2584	1-126-933-11	ELECT	100μF	20%	16V
C2524	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2585	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V
C2525	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2586	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C2527	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2587	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V
C2528	1-162-962-11	CERAMIC CHIP	470pF	10%	50V	C2588	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C2530	1-126-947-11	ELECT	47μF	20%	35V	C2589	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2532	1-135-834-91	CERAMIC CHIP	2.2μF		6.3V	C2590	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2533	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2591	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C2534	1-126-947-11	ELECT	47μF	20%	35V						



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b><u>CONNECTOR</u></b>				FB2514	1-216-864-11	SHORT CHIP	
	CN2006	1-793-174-11	SOCKET,PC CONNECTOR (PC BOARD)	FB2515	1-414-229-11	FERRITE	0μH
*	CN2301	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE) 10P	FB2516	1-414-229-11	FERRITE	0μH
	CN2303	1-784-650-21	CONNECTOR 2P	FB2517	1-414-229-11	FERRITE	0μH
*	CN2304	1-564-595-11	PLUG, CONNECTOR 14P	FB2518	1-414-229-11	FERRITE	0μH
	CN2305	1-770-721-11	CONNECTOR, BOARD TO BOARD 4P				
				FB2519	1-414-229-11	FERRITE	0μH
*	CN2306	1-818-480-11	PIN, CONNECTOR 12P	FB2520	1-216-864-11	SHORT CHIP	
	CN2307	1-785-946-21	CONNECTOR 3P	FB2521	1-216-864-11	SHORT CHIP	
*	CN2308	1-564-507-11	PLUG, CONNECTOR 4P	FB2522	1-414-229-11	FERRITE	0μH
				FB2531	1-216-864-11	SHORT CHIP	
<b><u>DIODE</u></b>				FB2533	1-216-864-11	SHORT CHIP	
D2302	8-719-914-44	DIODE (KD-34XBR960 ONLY)	DAP202K	FB2534	1-216-864-11	SHORT CHIP	
D2303	8-719-914-44	DIODE (KD-34XBR960 ONLY)	DAP202K	FB2535	1-216-864-11	SHORT CHIP	
D2310	8-719-083-57	DIODE	UDZSTE-173.6B	FB2538	1-216-864-11	SHORT CHIP	
				<b><u>FILTER</u></b>			
D2500	8-719-404-50	DIODE	MA111-TX	FL2001	1-239-848-21	FILTER, LOW PASS (KD-34XBR960 ONLY)	
D2501	8-719-404-50	DIODE	MA111-TX	FL2002	1-239-848-21	FILTER, LOW PASS (KD-34XBR960 ONLY)	
D2502	8-719-404-50	DIODE	MA111-TX	FL2003	1-239-848-21	FILTER, LOW PASS (KD-34XBR960 ONLY)	
D2503	8-719-404-50	DIODE	MA111-TX				
D2504	8-719-404-50	DIODE	MA111-TX	FL2201	1-239-848-21	FILTER, LOW PASS	
D2505	8-719-978-33	DIODE	DTZ-TT11-6.8B	FL2202	1-239-848-21	FILTER, LOW PASS	
D2506	8-719-978-33	DIODE	DTZ-TT11-6.8B	FL2203	1-239-848-21	FILTER, LOW PASS	
D2507	8-719-404-50	DIODE	MA111-TX	FL2204	1-239-848-21	FILTER, LOW PASS	
<b><u>FERRITE BEAD</u></b>				<b><u>IC</u></b>			
FB2001	1-414-229-11	FERRITE (KD-34XBR960 ONLY)	0μH	IC2001	8-752-394-69	IC (KD-34XBR960 ONLY)	CXD2073Q-T4
FB2002	1-414-229-11	FERRITE	0μH	IC2004	8-752-102-21	IC	CXA2103AQ
FB2200	1-414-229-11	FERRITE	0μH	IC2005	8-752-102-21	IC (KD-34XBR960 ONLY)	CXA2103AQ
FB2501	1-216-864-11	SHORT CHIP					
FB2503	1-216-864-11	SHORT CHIP		IC2006	8-752-108-35	IC	CXA2171AQ
FB2504	1-216-864-11	SHORT CHIP		IC2007	8-759-592-49	IC (KD-34XBR960 ONLY)	TC7SZ125FU(TE85R)
FB2505	1-414-229-11	FERRITE	0μH	IC2008	8-759-448-68	IC (KD-34XBR960 ONLY)	NJM2283V-TE1
FB2507	1-414-229-11	FERRITE	0μH				
FB2508	1-414-229-11	FERRITE	0μH	IC2009	8-759-549-07	IC (KD-34XBR960 ONLY)	SN74LV157APWR
FB2509	1-216-864-11	SHORT CHIP		IC2010	8-759-549-07	IC	SN74LV157APWR
FB2510	1-414-229-11	FERRITE	0μH	IC2200	6-700-960-01	IC	UPD64083GF-3BA
FB2511	1-216-864-11	SHORT CHIP		IC2201	6-700-399-01	IC	UPC2925T-E1
FB2512	1-414-229-11	FERRITE	0μH				
FB2513	1-216-864-11	SHORT CHIP					

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
Q2206	8-729-422-27	TRANSISTOR	2SD601A-Q	<b>RESISTOR</b>			
Q2207	8-729-422-27	TRANSISTOR	2SD601A-Q	R2001	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100 5% 1/10W
Q2208	8-729-422-27	TRANSISTOR	2SD601A-Q	R2002	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2209	8-729-422-27	TRANSISTOR	2SD601A-Q	R2003	1-218-686-11	METAL CHIP (KD-34XBR960 ONLY)	560 0.50% 1/10W
Q2210	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2211	8-729-422-27	TRANSISTOR	2SD601A-Q	R2004	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2212	8-729-422-27	TRANSISTOR	2SD601A-Q	R2005	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2213	8-729-422-27	TRANSISTOR	2SD601A-Q	R2006	1-216-825-11	METAL CHIP (KD-34XBR960 ONLY)	2.2K 5% 1/10W
Q2214	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX				
Q2215	8-729-422-27	TRANSISTOR	2SD601A-Q	R2007	1-218-708-11	METAL CHIP (KD-34XBR960 ONLY)	4.7K 0.50% 1/10W
Q2216	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2008	1-218-692-11	METAL CHIP (KD-34XBR960 ONLY)	1K 0.50% 1/10W
Q2302	8-729-422-27	TRANSISTOR (KD-34XBR960 ONLY)	2SD601A-Q	R2009	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2303	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2304	8-729-422-27	TRANSISTOR	2SD601A-Q	R2010	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2308	8-729-424-02	TRANSISTOR (KD-34XBR960 ONLY)	2SB709A-QRS-TX	R2011	1-218-686-11	METAL CHIP (KD-34XBR960 ONLY)	560 0.50% 1/10W
Q2311	8-729-422-27	TRANSISTOR (KD-34XBR960 ONLY)	2SD601A-Q	R2012	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2312	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2313	8-729-422-27	TRANSISTOR	2SD601A-Q	R2013	1-216-825-11	METAL CHIP (KD-34XBR960 ONLY)	2.2K 5% 1/10W
Q2314	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2014	1-216-821-11	METAL CHIP (KD-34XBR960 ONLY)	1K 5% 1/10W
Q2315	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2015	1-218-734-11	METAL CHIP (KD-34XBR960 ONLY)	56K 0.50% 1/10W
Q2316	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX				
Q2322	8-729-422-27	TRANSISTOR	2SD601A-Q	R2016	1-216-839-11	METAL CHIP (KD-34XBR960 ONLY)	33K 5% 1/10W
Q2324	8-729-422-27	TRANSISTOR	2SD601A-Q	R2017	1-216-837-11	METAL CHIP (KD-34XBR960 ONLY)	22K 5% 1/10W
Q2500	8-729-422-27	TRANSISTOR	2SD601A-Q	R2018	1-216-812-11	METAL CHIP (KD-34XBR960 ONLY)	180 5% 1/10W
Q2501	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2502	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2020	1-216-811-11	METAL CHIP (KD-34XBR960 ONLY)	150 5% 1/10W
Q2503	8-729-422-27	TRANSISTOR	2SD601A-Q	R2022	1-218-704-11	METAL CHIP (KD-34XBR960 ONLY)	3.3K 0.50% 1/10W
Q2504	8-729-422-27	TRANSISTOR	2SD601A-Q	R2023	1-216-839-11	METAL CHIP (KD-34XBR960 ONLY)	33K 5% 1/10W
Q2505	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2506	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2507	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2508	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2509	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2510	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2511	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2512	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2513	8-729-422-27	TRANSISTOR	2SD601A-Q				
Q2600	8-729-422-27	TRANSISTOR	2SD601A-Q				



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2024	1-216-837-11	METAL CHIP (KD-34XBR960 ONLY)	22K	5%	1/10W	R2056	1-216-809-11	METAL CHIP	100	5%	1/10W
R2025	1-218-700-11	METAL CHIP (KD-34XBR960 ONLY)	2.2K	0.50%	1/10W	R2057	1-216-809-11	METAL CHIP	100	5%	1/10W
R2026	1-218-704-11	METAL CHIP (KD-34XBR960 ONLY)	3.3K	0.50%	1/10W	R2058	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W
R2027	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)				R2059	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W
R2030	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2060	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)			
R2032	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2061	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R2035	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2062	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)			
R2036	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2063	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)			
R2037	1-216-864-11	SHORT CHIP				R2064	1-216-828-11	METAL CHIP (KD-34XBR960 ONLY)	3.9K	5%	1/10W
R2038	1-216-864-11	SHORT CHIP				R2065	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)			
R2039	1-216-864-11	SHORT CHIP				R2066	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)			
R2040	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2067	1-216-809-11	METAL CHIP	100	5%	1/10W
R2041	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2069	1-216-864-11	SHORT CHIP			
R2042	1-216-864-11	SHORT CHIP				R2071	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)			
R2043	1-216-864-11	SHORT CHIP				R2072	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2044	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R2073	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2045	1-218-686-11	METAL CHIP (KD-34XBR960 ONLY)	560	0.50%	1/10W	R2074	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2046	1-218-686-11	METAL CHIP (KD-34XBR960 ONLY)	560	0.50%	1/10W	R2075	1-216-864-11	SHORT CHIP (KD-34XBR960 ONLY)			
R2047	1-216-864-11	SHORT CHIP (ALL EXCEPT KD-34XBR960)				R2076	1-216-864-11	SHORT CHIP			
R2048	1-218-710-11	METAL CHIP (KD-34XBR960 ONLY)	5.6K	0.50%	1/10W	R2077	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2049	1-218-710-11	METAL CHIP (KD-34XBR960 ONLY)	5.6K	0.50%	1/10W	R2081	1-216-809-11	METAL CHIP	100	5%	1/10W
R2050	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2082	1-216-809-11	METAL CHIP	100	5%	1/10W
R2051	1-216-817-11	METAL CHIP (KD-34XBR960 ONLY)	470	5%	1/10W	R2083	1-216-851-11	METAL CHIP	330K	5%	1/10W
R2052	1-216-835-11	METAL CHIP	15K	5%	1/10W	R2084	1-216-833-11	METAL CHIP (KD-34XBR960 ONLY)	10K	5%	1/10W
R2053	1-216-864-11	SHORT CHIP				R2085	1-216-841-11	METAL CHIP (KD-34XBR960 ONLY)	47K	5%	1/10W
R2054	1-216-835-11	METAL CHIP (KD-34XBR960 ONLY)	15K	5%	1/10W	R2086	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W
R2055	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2087	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W
						R2088	1-216-845-11	METAL CHIP (KD-34XBR960 ONLY)	100K	5%	1/10W
						R2090	1-216-841-11	METAL CHIP (KD-34XBR960 ONLY)	47K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2091	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2135	1-216-864-11	SHORT CHIP			
R2092	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W	R2136	1-216-864-11	SHORT CHIP			
R2093	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W	R2137	1-216-864-11	SHORT CHIP			
						R2138	1-216-864-11	SHORT CHIP			
						R2139	1-216-864-11	SHORT CHIP			
R2094	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R2140	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2095	1-216-864-11	SHORT CHIP				R2141	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2097	1-216-809-11	METAL CHIP	100	5%	1/10W	R2142	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R2099	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2201	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R2202	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2203	1-216-809-11	METAL CHIP	100	5%	1/10W
R2101	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2204	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W	R2205	1-216-864-11	SHORT CHIP			
R2105	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2206	1-216-864-11	SHORT CHIP			
R2107	1-216-809-11	METAL CHIP	100	5%	1/10W	R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2110	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W	R2209	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2111	1-216-818-11	METAL CHIP (KD-34XBR960 ONLY)	560	5%	1/10W	R2210	1-216-818-11	METAL CHIP	560	5%	1/10W
R2112	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2211	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R2212	1-216-818-11	METAL CHIP	560	5%	1/10W
R2113	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2213	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2114	1-216-805-11	METAL CHIP	47	5%	1/10W	R2214	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2115	1-216-805-11	METAL CHIP	47	5%	1/10W	R2215	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2116	1-216-805-11	METAL CHIP	47	5%	1/10W	R2216	1-216-817-11	METAL CHIP	470	5%	1/10W
						R2217	1-216-817-11	METAL CHIP	470	5%	1/10W
R2118	1-216-809-11	METAL CHIP	100	5%	1/10W	R2218	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2119	1-216-809-11	METAL CHIP	100	5%	1/10W	R2219	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R2120	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W	R2221	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R2222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2123	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2223	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2124	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2224	1-216-809-11	METAL CHIP	100	5%	1/10W
R2125	1-216-809-11	METAL CHIP (KD-34XBR960 ONLY)	100	5%	1/10W	R2225	1-216-818-11	METAL CHIP	560	5%	1/10W
						R2226	1-216-817-11	METAL CHIP	470	5%	1/10W
R2126	1-216-809-11	METAL CHIP	100	5%	1/10W	R2227	1-216-816-11	METAL CHIP	390	5%	1/10W
R2127	1-216-864-11	SHORT CHIP				R2228	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2131	1-216-809-11	METAL CHIP	100	5%	1/10W	R2229	1-216-849-11	METAL CHIP	220K	5%	1/10W
R2133	1-216-864-11	SHORT CHIP				R2230	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2134	1-216-864-11	SHORT CHIP				R2231	1-216-819-11	METAL CHIP	680	5%	1/10W
						R2232	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R2233	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R2234	1-216-820-11	METAL CHIP	820	5%	1/10W
						R2235	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
						R2236	1-216-813-11	METAL CHIP	220	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2237	1-216-820-11	METAL CHIP	820	5%	1/10W	R2316	1-216-809-11	METAL CHIP	100	5%	1/10W
R2238	1-216-819-11	METAL CHIP	680	5%	1/10W	R2317	1-216-809-11	METAL CHIP	100	5%	1/10W
R2239	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2318	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2240	1-216-834-11	METAL CHIP	12K	5%	1/10W	R2319	1-216-809-11	METAL CHIP	100	5%	1/10W
R2241	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2242	1-218-680-11	METAL CHIP	330	0.50%	1/10W	R2321	1-216-809-11	METAL CHIP	100	5%	1/10W
R2243	1-216-834-11	METAL CHIP	12K	5%	1/10W	R2322	1-216-809-11	METAL CHIP	100	5%	1/10W
R2244	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2245	1-218-684-11	METAL CHIP	470	0.50%	1/10W	R2324	1-216-809-11	METAL CHIP	100	5%	1/10W
R2246	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2325	1-216-864-11	SHORT CHIP			
R2247	1-216-805-11	METAL CHIP	47	5%	1/10W	R2326	1-216-809-11	METAL CHIP	100	5%	1/10W
R2248	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2327	1-216-809-11	METAL CHIP	100	5%	1/10W
R2249	1-216-805-11	METAL CHIP	47	5%	1/10W	R2328	1-216-809-11	METAL CHIP	100	5%	1/10W
R2250	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R2333	1-216-809-11	METAL CHIP	100	5%	1/10W
R2251	1-216-818-11	METAL CHIP	560	5%	1/10W	R2336	1-216-809-11	METAL CHIP	100	5%	1/10W
R2252	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2337	1-216-809-11	METAL CHIP	100	5%	1/10W
R2253	1-216-809-11	METAL CHIP	100	5%	1/10W	R2338	1-216-864-11	SHORT CHIP			
R2254	1-216-817-11	METAL CHIP	470	5%	1/10W	R2339	1-216-809-11	METAL CHIP	100	5%	1/10W
R2255	1-216-817-11	METAL CHIP	470	5%	1/10W	R2340	1-216-809-11	METAL CHIP	100	5%	1/10W
R2256	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2341	1-216-809-11	METAL CHIP	100	5%	1/10W
R2257	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2342	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2268	1-216-809-11	METAL CHIP	100	5%	1/10W	R2343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2269	1-216-809-11	METAL CHIP	100	5%	1/10W	R2344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2270	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2271	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R2346	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
R2272	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R2347	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2298	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2348	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2299	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2349	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2300	1-216-841-11	METAL CHIP	47K	5%	1/10W	(KD-34XBR960 ONLY)					
R2301	1-216-809-11	METAL CHIP	100	5%	1/10W	R2350	1-216-809-11	METAL CHIP	100	5%	1/10W
R2302	1-216-809-11	METAL CHIP	100	5%	1/10W	R2351	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2303	1-216-809-11	METAL CHIP	100	5%	1/10W	R2352	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2304	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2353	1-216-809-11	METAL CHIP	100	5%	1/10W
R2305	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2354	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2306	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2307	1-216-809-11	METAL CHIP	100	5%	1/10W	R2356	1-216-805-11	METAL CHIP	47	5%	1/10W
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W	(KD-34XBR960 ONLY)					
R2309	1-216-809-11	METAL CHIP	100	5%	1/10W	R2357	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2310	1-216-864-11	SHORT CHIP				R2358	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2311	1-216-809-11	METAL CHIP	100	5%	1/10W	R2359	1-216-805-11	METAL CHIP	47	5%	1/10W
R2312	1-216-809-11	METAL CHIP	100	5%	1/10W	R2360	1-216-809-11	METAL CHIP	100	5%	1/10W
R2313	1-216-809-11	METAL CHIP	100	5%	1/10W	R2361	1-216-864-11	SHORT CHIP			
R2314	1-216-809-11	METAL CHIP	100	5%	1/10W	R2363	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2315	1-216-809-11	METAL CHIP	100	5%	1/10W	R2364	1-216-809-11	METAL CHIP	100	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2365	1-216-809-11	METAL CHIP	100	5%	1/10W	R2455	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2366	1-216-864-11	SHORT CHIP				R2459	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2367	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2460	1-216-809-11	METAL CHIP	100	5%	1/10W
R2368	1-216-809-11	METAL CHIP	100	5%	1/10W	R2469	1-216-809-11	METAL CHIP	100	5%	1/10W
R2370	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2471	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2371	1-216-809-11	METAL CHIP	100	5%	1/10W	R2480	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2372	1-216-809-11	METAL CHIP	100	5%	1/10W	R2481	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2375	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2483	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2484	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2378	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2485	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2379	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2486	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2380	1-216-809-11	METAL CHIP	100	5%	1/10W	R2487	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2381	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2488	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2383	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2489	1-216-817-11	METAL CHIP	470	5%	1/10W
R2387	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2490	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2400	1-216-811-11 (KD-34XBR960 ONLY)	METAL CHIP	150	5%	1/10W	R2491	1-216-817-11 (KD-34XBR960 ONLY)	METAL CHIP	470	5%	1/10W
R2401	1-216-811-11 (KD-34XBR960 ONLY)	METAL CHIP	150	5%	1/10W	R2492	1-216-857-11 (KD-34XBR960 ONLY)	METAL CHIP	1M	5%	1/10W
R2402	1-216-811-11 (KD-34XBR960 ONLY)	METAL CHIP	150	5%	1/10W	R2493	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2404	1-216-864-11	SHORT CHIP				R2494	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2419	1-216-825-11 (KD-34XBR960 ONLY)	METAL CHIP	2.2K	5%	1/10W	R2500	1-216-809-11	METAL CHIP	100	5%	1/10W
R2422	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2501	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2425	1-216-825-11 (KD-34XBR960 ONLY)	METAL CHIP	2.2K	5%	1/10W	R2502	1-216-864-11	SHORT CHIP			
R2428	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2503	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2434	1-216-821-11 (KD-34XBR960 ONLY)	METAL CHIP	1K	5%	1/10W	R2506	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2435	1-216-820-11 (KD-34XBR960 ONLY)	METAL CHIP	820	5%	1/10W	R2508	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2436	1-216-820-11 (KD-34XBR960 ONLY)	METAL CHIP	820	5%	1/10W	R2509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2437	1-216-809-11 (KD-34XBR960 ONLY)	METAL CHIP	100	5%	1/10W	R2510	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2438	1-216-820-11 (KD-34XBR960 ONLY)	METAL CHIP	820	5%	1/10W	R2511	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2450	1-216-864-11	SHORT CHIP				R2512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2452	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2513	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2453	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2454	1-216-809-11 (KD-34XBR960 ONLY)	METAL CHIP	100	5%	1/10W	R2515	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R2516	1-216-839-11	METAL CHIP	33K	5%	1/10W
						R2517	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R2518	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R2519	1-216-857-11	METAL CHIP	1M	5%	1/10W
						R2520	1-216-864-11	SHORT CHIP			
						R2521	1-216-864-11	SHORT CHIP			
						R2522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R2523	1-216-813-11	METAL CHIP	220	5%	1/10W
						R2524	1-216-809-11	METAL CHIP	100	5%	1/10W
						R2525	1-216-813-11	METAL CHIP	220	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R2526	1-216-864-11	SHORT CHIP				R2580	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2528	1-216-809-11	METAL CHIP	100	5%	1/10W	R2581	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2529	1-216-809-11	METAL CHIP	100	5%	1/10W	R2582	1-216-809-11	METAL CHIP	100	5%	1/10W
R2530	1-216-809-11	METAL CHIP	100	5%	1/10W	R2585	1-216-864-11	SHORT CHIP			
R2531	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2593	1-216-864-11	SHORT CHIP			
R2532	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2603	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2533	1-216-864-11	SHORT CHIP				R2604	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2534	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2605	1-216-864-11	SHORT CHIP			
R2535	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2608	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2538	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2609	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2539	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2610	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2540	1-216-864-11	SHORT CHIP				R2611	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2541	1-216-864-11	SHORT CHIP				R2612	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2542	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2613	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2543	1-216-864-11	SHORT CHIP				R2617	1-216-809-11	METAL CHIP	100	5%	1/10W
R2546	1-216-813-11	METAL CHIP	220	5%	1/10W	<b>CRYSTAL</b>					
R2547	1-216-821-11	METAL CHIP	1K	5%	1/10W	X2001	1-567-505-11	OSCILLATOR, CRYSTAL			
R2548	1-216-841-11	METAL CHIP	47K	5%	1/10W	X2002	1-567-505-11	OSCILLATOR, CRYSTAL			
R2549	1-216-813-11	METAL CHIP	220	5%	1/10W			(KD-34XBR960 ONLY)			
R2550	1-216-821-11	METAL CHIP	1K	5%	1/10W	X2003	1-781-282-11	VIBRATOR, CERAMIC			
R2551	1-216-821-11	METAL CHIP	1K	5%	1/10W	X2200	1-767-606-11	VIBRATOR, CRYSTAL			
R2552	1-216-809-11	METAL CHIP	100	5%	1/10W						
R2553	1-216-853-11	METAL CHIP	470K	5%	1/10W	X2300	1-795-572-11	VIBRATOR, CRYSTAL			
R2554	1-216-809-11	METAL CHIP	100	5%	1/10W	X2500	1-767-639-21	VIBRATOR, CRYSTAL			
R2555	1-216-853-11	METAL CHIP	470K	5%	1/10W	<b>UZ</b>					
R2556	1-216-821-11	METAL CHIP	1K	5%	1/10W	*	A-1303-037-A	UZ BOARD, COMPLETE			
R2557	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R2558	1-216-833-11	METAL CHIP	10K	5%	1/10W	<b>CAPACITOR</b>					
R2559	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1501	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R2560	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1502	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R2561	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1503	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R2562	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1504	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R2563	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1505	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R2564	1-216-817-11	METAL CHIP	470	5%	1/10W						
R2565	1-216-837-11	METAL CHIP	22K	5%	1/10W	C1506	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R2566	1-216-837-11	METAL CHIP	22K	5%	1/10W	C1507	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R2567	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1508	1-126-960-11	ELECT	1μF	20%	50V
R2568	1-216-837-11	METAL CHIP	22K	5%	1/10W	C1509	1-126-960-11	ELECT	1μF	20%	50V
R2569	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1510	1-126-960-11	ELECT	1μF	20%	50V
R2570	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R2571	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1511	1-126-960-11	ELECT	1μF	20%	50V
R2576	1-216-821-11	METAL CHIP	1K	5%	1/10W	C1512	1-126-960-11	ELECT	1μF	20%	50V
R2578	1-216-821-11	METAL CHIP	1K	5%	1/10W						





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES
C1513	1-126-960-11	ELECT	1μF	20%	50V	<b>CONNECTOR</b>			
C1519	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V	*	CN1501	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE) 11P
C1520	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V		CN1502	1-793-173-11	PIN, PC CONNECTOR(PC BOARD) 50P
C1521	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V		CN1503	1-793-419-11	CONNECTOR, BOARD TO BOARD 4P
C1522	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	<b>DIODE</b>			
C1523	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1501	8-719-977-28	DIODE	DTZ10B
C1524	1-109-982-11	CERAMIC CHIP	1μF	10%	10V	D1502	8-719-977-28	DIODE	DTZ10B
C1525	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D1503	8-719-977-28	DIODE	DTZ10B
C1526	1-126-964-11	ELECT	10μF	20%	50V	D1504	8-719-977-28	DIODE	DTZ10B
C1527	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1505	8-719-977-28	DIODE	DTZ10B
C1528	1-126-933-11	ELECT	100μF	20%	16V	D1506	8-719-977-28	DIODE	DTZ10B
C1529	1-109-982-11	CERAMIC CHIP	1μF	10%	10V	D1507	8-719-977-28	DIODE	DTZ10B
C1530	1-126-964-11	ELECT	10μF	20%	50V	D1508	8-719-977-28	DIODE	DTZ10B
C1531	1-126-941-11	ELECT	470μF	20%	25V	D1509	8-719-977-28	DIODE	DTZ10B
C1532	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1510	8-719-977-28	DIODE	DTZ10B
C1533	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	D1511	8-719-977-28	DIODE	DTZ10B
C1534	1-126-933-11	ELECT	100μF	20%	16V	D1512	8-719-977-28	DIODE	DTZ10B
C1535	1-126-933-11	ELECT	100μF	20%	16V	D1513	8-719-977-28	DIODE	DTZ10B
C1536	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1514	8-719-977-28	DIODE	DTZ10B
C1537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1515	8-719-977-28	DIODE	DTZ10B
C1538	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1516	8-719-977-28	DIODE	DTZ10B
C1539	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D1517	8-719-977-28	DIODE	DTZ10B
C1540	1-126-933-11	ELECT	100μF	20%	16V	D1518	8-719-914-43	DIODE	DAN202K
C1541	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	D1519	8-719-977-28	DIODE	DTZ10B
C1542	1-126-960-11	ELECT	1μF	20%	50V	D1520	8-719-977-28	DIODE	DTZ10B
C1543	1-126-960-11	ELECT	1μF	20%	50V	D1521	8-719-977-28	DIODE	DTZ10B
C1545	1-126-933-11	ELECT	100μF	20%	16V	D1522	8-719-977-28	DIODE	DTZ10B
C1546	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D1525	8-719-977-28	DIODE	DTZ10B
C1548	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	D1526	8-719-977-28	DIODE	DTZ10B
C1550	1-126-960-11	ELECT	1μF	20%	50V	D1527	8-719-977-28	DIODE	DTZ10B
C1551	1-126-960-11	ELECT	1μF	20%	50V	D1528	8-719-977-28	DIODE	DTZ10B
C1552	1-126-960-11	ELECT	1μF	20%	50V	D1529	8-719-977-28	DIODE	DTZ10B
C1553	1-126-960-11	ELECT	1μF	20%	50V	D1530	8-719-977-28	DIODE	DTZ10B
C1556	1-126-933-11	ELECT	100μF	20%	16V	D1531	8-719-977-28	DIODE	DTZ10B
C1557	1-164-156-11	CERAMIC CHIP	0.1μF		25V	D1532	8-719-977-28	DIODE	DTZ10B
C1558	1-126-933-11	ELECT	100μF	20%	16V	D1533	8-719-977-28	DIODE	DTZ10B
C1559	1-126-933-11	ELECT	100μF	20%	16V	D1534	8-719-977-28	DIODE	DTZ10B
C1560	1-126-933-11	ELECT	100μF	20%	16V	D1535	8-719-977-28	DIODE	DTZ10B
C1561	1-126-933-11	ELECT	100μF	20%	16V				
C1562	1-126-933-11	ELECT	100μF	20%	16V				
C1563	1-126-933-11	ELECT	100μF	20%	16V				



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b><u>IC</u></b>				Q1523	8-729-422-27	TRANSISTOR	2SD601A-Q
IC1502	8-752-080-04	IC	CXA2069Q	Q1524	8-729-422-27	TRANSISTOR	2SD601A-Q
IC1505	8-759-548-56	IC	M52055FP	<b><u>RESISTOR</u></b>			
<b><u>JACK</u></b>				R1501	1-216-853-11	METAL CHIP	470K 5% 1/10W
J1501	1-573-967-12	BLOCK, (S) TERMINAL		R1502	1-216-853-11	METAL CHIP	470K 5% 1/10W
J1502	1-750-516-21	JACK BLOCK, PIN 2P		R1503	1-218-665-11	METAL CHIP	75 0.50% 1/10W
J1503	1-750-517-21	JACK BLOCK, PIN 3P		R1504	1-218-665-11	METAL CHIP	75 0.50% 1/10W
J1504	1-750-517-21	JACK BLOCK, PIN 3P		R1505	1-218-665-11	METAL CHIP	75 0.50% 1/10W
J1505	1-764-143-11	JACK		R1506	1-216-853-11	METAL CHIP	470K 5% 1/10W
J1506	1-764-143-11	JACK		R1507	1-216-853-11	METAL CHIP	470K 5% 1/10W
J1508	1-815-015-11	JACK BLOCK, PIN		R1508	1-218-665-11	METAL CHIP	75 0.50% 1/10W
J1509	1-815-015-11	JACK BLOCK, PIN		R1509	1-218-665-11	METAL CHIP	75 0.50% 1/10W
<b><u>COIL</u></b>				R1510	1-218-665-11	METAL CHIP	75 0.50% 1/10W
L1502	1-469-555-21	INDUCTOR	10μH	R1511	1-216-853-11	METAL CHIP	470K 5% 1/10W
L1503	1-469-555-21	INDUCTOR	10μH	R1512	1-216-853-11	METAL CHIP	470K 5% 1/10W
L1504	1-469-555-21	INDUCTOR	10μH	R1513	1-218-665-11	METAL CHIP	75 0.50% 1/10W
L1505	1-469-555-21	INDUCTOR	10μH	R1514	1-216-821-11	METAL CHIP	1K 5% 1/10W
L1506	1-469-555-21	INDUCTOR	10μH	R1520	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
<b><u>TRANSISTOR</u></b>				R1521	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q1501	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1522	1-216-824-11	METAL CHIP	1.8K 5% 1/10W
Q1502	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1523	1-216-824-11	METAL CHIP	1.8K 5% 1/10W
Q1503	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1524	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1525	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1505	8-729-422-27	TRANSISTOR	2SD601A-Q	R1526	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q1506	8-729-422-27	TRANSISTOR	2SD601A-Q	R1527	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q1507	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1530	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1508	8-729-422-27	TRANSISTOR	2SD601A-Q	R1531	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1509	8-729-422-27	TRANSISTOR	2SD601A-Q	R1532	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1510	8-729-422-27	TRANSISTOR	2SD601A-Q	R1533	1-216-825-11	METAL CHIP	2.2K 5% 1/10W
Q1511	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1534	1-216-833-11	METAL CHIP	10K 5% 1/10W
Q1512	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1535	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q1513	8-729-422-27	TRANSISTOR	2SD601A-Q	R1536	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q1515	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1537	1-216-821-11	METAL CHIP	1K 5% 1/10W
Q1516	8-729-422-27	TRANSISTOR	2SD601A-Q	R1538	1-216-806-11	METAL CHIP	56 5% 1/10W
Q1518	8-729-422-27	TRANSISTOR	2SD601A-Q	R1539	1-216-805-11	METAL CHIP	47 5% 1/10W
Q1519	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1540	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1520	8-729-422-27	TRANSISTOR	2SD601A-Q	R1541	1-216-809-11	METAL CHIP	100 5% 1/10W
Q1521	8-729-422-27	TRANSISTOR	2SD601A-Q	R1542	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
Q1522	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R1543	1-216-809-11	METAL CHIP	100 5% 1/10W
				R1544	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
				R1545	1-216-830-11	METAL CHIP	5.6K 5% 1/10W
				R1546	1-216-809-11	METAL CHIP	100 5% 1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1547	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1594	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1548	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1595	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1549	1-216-809-11	METAL CHIP	100	5%	1/10W	R1596	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1550	1-216-809-11	METAL CHIP	100	5%	1/10W	R1597	1-216-809-11	METAL CHIP	100	5%	1/10W
R1551	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1598	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1552	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1600	1-216-809-11	METAL CHIP	100	5%	1/10W
R1554	1-216-809-11	METAL CHIP	100	5%	1/10W	R1604	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1555	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1607	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1556	1-216-853-11	METAL CHIP	470K	5%	1/10W	R1608	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1557	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1609	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1558	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1610	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1559	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R1612	1-216-849-11	METAL CHIP	220K	5%	1/10W
R1560	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1613	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1562	1-216-809-11	METAL CHIP	100	5%	1/10W	R1615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1563	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1616	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1565	1-216-809-11	METAL CHIP	100	5%	1/10W	R1617	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1566	1-216-809-11	METAL CHIP	100	5%	1/10W	R1618	1-216-864-11	SHORT CHIP			
R1567	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1619	1-216-809-11	METAL CHIP	100	5%	1/10W
R1568	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1620	1-216-809-11	METAL CHIP	100	5%	1/10W
R1569	1-216-809-11	METAL CHIP	100	5%	1/10W	R1623	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1570	1-216-809-11	METAL CHIP	100	5%	1/10W	R1624	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1571	1-216-809-11	METAL CHIP	100	5%	1/10W	R1625	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1572	1-216-809-11	METAL CHIP	100	5%	1/10W	R1626	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1573	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1627	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1574	1-216-809-11	METAL CHIP	100	5%	1/10W	R1628	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1575	1-216-809-11	METAL CHIP	100	5%	1/10W	R1629	1-216-853-11	METAL CHIP	470K	5%	1/10W
R1576	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1630	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1577	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1631	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1578	1-216-857-11	METAL CHIP	1M	5%	1/10W	R1632	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1579	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1635	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1580	1-216-809-11	METAL CHIP	100	5%	1/10W	R1636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1581	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1637	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1582	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R1645	1-216-809-11	METAL CHIP	100	5%	1/10W
R1583	1-216-809-11	METAL CHIP	100	5%	1/10W	R1646	1-216-803-11	METAL CHIP	33	5%	1/10W
R1584	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1647	1-216-803-11	METAL CHIP	33	5%	1/10W
R1585	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1648	1-216-803-11	METAL CHIP	33	5%	1/10W
R1586	1-216-813-11	METAL CHIP	220	5%	1/10W	R1649	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1587	1-216-809-11	METAL CHIP	100	5%	1/10W	R1650	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1588	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R1651	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1589	1-216-813-11	METAL CHIP	220	5%	1/10W	R1652	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1590	1-216-809-11	METAL CHIP	100	5%	1/10W	R1653	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1591	1-216-813-11	METAL CHIP	220	5%	1/10W	R1654	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1592	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1655	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R1593	1-216-809-11	METAL CHIP	100	5%	1/10W	R1656	1-218-676-11	METAL CHIP	220	0.50%	1/10W

NOTE: The components identified by shading and  $\triangle$  mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifiés par un triangle et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**UZ** **DZ**

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1657	1-218-676-11	METAL CHIP	220	0.50%	1/10W	C5018	1-162-970-11	CERAMIC CHIP	0.01 $\mu$ F	10%	25V
R1658	1-218-676-11	METAL CHIP	220	0.50%	1/10W	C5019	1-126-968-11	ELECT	100 $\mu$ F	20%	50V
R1659	1-218-676-11	METAL CHIP	220	0.50%	1/10W	C5020	1-104-665-11	ELECT	100 $\mu$ F	20%	25V
R1660	1-218-676-11	METAL CHIP	220	0.50%	1/10W	C5022	1-162-968-11	CERAMIC CHIP	0.0047 $\mu$ F	10%	50V
						C5024	1-102-038-00	CERAMIC	0.001 $\mu$ F		500V
<b>VARISTOR</b>						C5028	1-127-715-91	CERAMIC CHIP	0.22 $\mu$ F	10%	16V
VD1512	1-803-974-21	VARISTOR, CHIP	(1608)			C5029	1-115-349-51	CERAMIC	0.01 $\mu$ F		2KV
VD1513	1-803-974-21	VARISTOR, CHIP	(1608)			C5030	1-137-365-11	MYLAR	0.0015 $\mu$ F	5%	50V
VD1516	1-803-974-21	VARISTOR, CHIP	(1608)			C5031	1-162-965-11	CERAMIC CHIP	0.0015 $\mu$ F	10%	50V
						C5032	1-165-176-11	CERAMIC CHIP	0.047 $\mu$ F	10%	16V
						C5033	1-130-495-00	MYLAR	0.1 $\mu$ F	5%	50V
						C5035	1-104-665-11	ELECT	100 $\mu$ F	20%	25V
						C5036	1-126-941-11	ELECT	470 $\mu$ F	20%	25V
						C5037	1-115-349-51	CERAMIC	0.01 $\mu$ F		2KV
							(KD-36XS955 ONLY)				
						C5038	1-115-349-51	CERAMIC	0.01 $\mu$ F		2KV
							(KD-36XS955 ONLY)				
						C5039	1-164-227-11	CERAMIC CHIP	0.022 $\mu$ F	10%	25V
						C5040	1-126-935-11	ELECT	470 $\mu$ F	20%	16V
						C5041	1-126-935-11	ELECT	470 $\mu$ F	20%	16V
						C5044	1-164-360-11	CERAMIC CHIP	0.1 $\mu$ F		16V
						C5045	1-164-360-11	CERAMIC CHIP	0.1 $\mu$ F		16V
						C5046	1-162-971-11	CERAMIC CHIP	0.001 $\mu$ F	10%	50V
						C5047	1-162-971-11	CERAMIC CHIP	0.001 $\mu$ F	10%	50V
						C5048	1-162-953-11	CERAMIC CHIP	100pF	5%	50V
						C5049	1-162-964-11	CERAMIC CHIP	0.001 $\mu$ F	10%	50V
						C5050	1-162-970-11	CERAMIC CHIP	0.01 $\mu$ F	10%	25V
						C5051	1-164-360-11	CERAMIC CHIP	0.1 $\mu$ F		16V
						C5052	1-126-947-11	ELECT	47 $\mu$ F	20%	35V
						C5053	1-106-220-00	MYLAR	0.1 $\mu$ F	10%	100V
						C5054	1-104-666-11	ELECT	220 $\mu$ F	20%	25V
						C5056	1-162-318-11	CERAMIC	0.001 $\mu$ F	10%	500V
						C5057	1-104-332-11	CERAMIC	470pF	10%	2KV
							(KD-36XS955 ONLY)				
						C5058	1-162-116-00	CERAMIC	680pF	10%	2KV
						C5059	1-162-116-00	CERAMIC	680pF	10%	2KV
						C5060	1-137-417-11	MYLAR	0.015 $\mu$ F	10%	100V
						C5061	1-117-833-21	FILM	5100pF	3%	1.5KV
							(ALL EXCEPT KD-36XS955)				
						C5061	1-117-839-11	FILM	9100pF	3%	1.5KV
							(KD-36XS955 ONLY)				
						C5064	1-117-665-11	FILM	0.33 $\mu$ F	5%	250V
							(ALL EXCEPT KD-36XS955)				

$\triangle$	1-251-715-22	CAP ASSY, HIGH-VOLTAGE
$\triangle$	1-900-805-19	WIRE ASSY, FOCUS HV
$\triangle$	1-900-808-42	WIRE ASSY, G2

# CAPACITOR

C5001	1-162-966-11	CERAMIC CHIP	0.0022 $\mu$ F	10%	50V
C5002	1-106-383-00	MYLAR	0.047 $\mu$ F	10%	200V
C5003	1-162-967-11	CERAMIC CHIP	0.0033 $\mu$ F	10%	50V
C5004	1-106-383-00	MYLAR	0.047 $\mu$ F	10%	200V
C5005	1-126-235-11	ELECT	100 $\mu$ F	20%	16V
C5006	1-126-964-11	ELECT	10 $\mu$ F	20%	50V
C5007	1-126-941-11	ELECT	470 $\mu$ F	20%	25V
C5009	1-126-941-11	ELECT	470 $\mu$ F	20%	25V
C5010	1-164-227-11	CERAMIC CHIP	0.022 $\mu$ F	10%	25V
C5011	1-107-641-11	ELECT	220 $\mu$ F	20%	160V
C5012	1-162-968-11	CERAMIC CHIP	0.0047 $\mu$ F	10%	50V
C5013	1-162-966-11	CERAMIC CHIP	0.0022 $\mu$ F	10%	50V
C5014	1-164-227-11	CERAMIC CHIP	0.022 $\mu$ F	10%	25V
C5016	1-130-783-71	MYLAR	0.33 $\mu$ F	10%	100V
C5017	1-164-677-11	CERAMIC CHIP	0.033 $\mu$ F	10%	16V





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C5064	1-117-668-31	FILM (KD-36XS955 ONLY)	0.56μF	5%	250V	C5527	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5065	1-107-506-11	FILM (KD-36XS955 ONLY)	0.68μF	3%	400V	C5528	1-129-709-91	FILM	0.0039μF	5%	630V
C5065	1-117-664-11	FILM (KD-30XS955 ONLY)	0.27μF	5%	250V	C5529	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5065	1-117-665-11	FILM (KD-34XBR960/34XS955 ONLY)	0.33μF	5%	250V	C5530	1-136-167-00	FILM	0.15μF	5%	50V
C5066	1-109-921-11	CERAMIC	0.0015μF	10%	500V	C5531	1-130-495-00	MYLAR	0.1μF	5%	50V
C5070	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5533	1-126-961-11	ELECT	2.2μF	20%	50V
C5071	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5534	1-126-947-11	ELECT	47μF	20%	35V
C5074	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	C5535	1-126-947-11	ELECT	47μF	20%	35V
C5075	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5540	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5076	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C5548	1-137-194-81	FILM	0.47μF	5%	50V
C5077	1-164-360-11	CERAMIC CHIP	0.1μF		16V	C5550	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5078	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V	C5551	1-126-947-11	ELECT	47μF	20%	35V
C5079	1-162-965-11	CERAMIC CHIP	0.0015μF	10%	50V	C5552	1-126-947-11	ELECT	47μF	20%	35V
C5082	1-117-832-21	FILM (KD-30XS955 ONLY)	4700pF	3%	1.5KV	C5598	1-126-947-11	ELECT	47μF	20%	35V
C5082	1-117-834-21	FILM (KD-34XBR960/34XS955 ONLY)	5600pF	3%	1.5KV	C5609	1-104-665-11	ELECT	100μF	20%	25V
C5082	1-117-839-11	FILM (KD-36XS955 ONLY)	9100pF	3%	1.5KV	C5623	1-104-665-11	ELECT	100μF	20%	25V
C5084	1-126-941-11	ELECT	470μF	20%	25V	C6502	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5086	1-126-941-11	ELECT	470μF	20%	25V	C6503	1-131-940-11	ELECT	1200μF	20%	250V
C5502	1-126-941-11	ELECT	470μF	20%	25V	C6507	1-130-495-00	MYLAR	0.1μF	5%	50V
C5504	1-126-947-11	ELECT	47μF	20%	35V	C6508	1-126-947-11	ELECT	47μF	20%	35V
C5505	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6510	1-130-495-00	MYLAR	0.1μF	5%	50V
C5506	1-162-962-11	CERAMIC CHIP	470pF	10%	50V	C6511	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C5511	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6513	1-126-940-11	ELECT	330μF	20%	25V
C5512	1-162-974-11	CERAMIC CHIP	0.01μF		50V	C6514	1-126-767-11	ELECT	1000μF	20%	16V
C5513	1-162-974-11	CERAMIC CHIP	0.01μF		50V	C6515	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C5514	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C6516	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C5515	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6517	1-126-963-11	ELECT	4.7μF	20%	50V
C5516	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6518	1-136-479-11	FILM	0.001μF	5%	100V
C5517	1-129-716-00	FILM	0.015μF	5%	400V	C6519	1-126-964-11	ELECT	10μF	20%	50V
C5518	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6525	1-125-969-91	CERAMIC	680pF	10%	1KV
C5519	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C6526	1-125-969-91	CERAMIC	680pF	10%	1KV
C5520	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C6532	1-137-741-22	FILM	39000pF	3%	800V
C5521	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6546	1-126-974-11	ELECT	3300μF	20%	50V
C5522	1-115-416-11	CERAMIC CHIP	0.001μF	5%	25V	C6549	1-126-969-11	ELECT	220μF	20%	50V
C5523	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C6550	1-126-968-11	ELECT	100μF	20%	50V
C5524	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C6551	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
C5526	1-162-967-11	CERAMIC CHIP	0.0033μF	10%	50V	C6552	1-126-937-11	ELECT	4700μF	20%	16V
						C6554	1-126-768-11	ELECT (KD-36XS955 ONLY)	2200μF	20%	16V
						C6554	1-126-937-11	ELECT (ALL EXCEPT KD-36XS955)	4700μF	20%	16V
						C6555	1-104-665-11	ELECT	100μF	20%	25V
						C6556	1-131-867-51	ELECT	100μF		160V
						C6557	1-107-654-11	ELECT	33μF	20%	250V




REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
C6558	1-126-967-11	ELECT	47μF	20%	50V	C8052	1-104-665-11	ELECT	100μF	20%	25V
C6559	1-126-942-61	ELECT	1000μF	20%	25V	C8053	1-162-117-00	CERAMIC	100pF	10%	500V
C6584	1-165-528-31	MYLAR	0.1μF	10	0V	C8054	1-102-244-00	CERAMIC	220pF	10%	500V
C6590	1-131-940-11	ELECT	1200μF	20%	250V	C8055	1-100-144-31	FILM	0.0068μF	5%	630V
C6592	1-119-898-51	CERAMIC	470pF	10%	250V	(ALL EXCEPT KD-36XS955)					
C6593	1-126-768-11	ELECT	2200μF	20%	16V	C8055	1-136-535-91	FILM	0.0018μF	5%	630V
C6595	1-104-666-11	ELECT	220μF	20%	25V	(KD-36XS955 ONLY)					
C6596	1-126-960-11	ELECT	1μF	20%	50V	C8056	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C6597	1-126-943-11	ELECT	2200μF	20%	25V	C8058	1-137-194-81	FILM	0.47μF	5%	50V
C8001	1-126-964-11	ELECT	10μF	20%	50V	C8059	1-126-947-11	ELECT	47μF	20%	35V
C8002	1-126-964-11	ELECT	10μF	20%	50V	C8060	1-106-371-00	MYLAR	0.015μF	20%	200V
C8003	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	(ALL EXCEPT KD-36XS955)					
C8005	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C8060	1-107-635-11	MYLAR	4.7μF	20%	160V
C8006	1-126-960-11	ELECT	1μF	20%	50V	(KD-36XS955 ONLY)					
C8007	1-162-971-11	CERAMIC CHIP	0.001μF	10%	50V	C8063	1-165-607-91	FILM	10000pF	3%	800V
C8012	1-126-947-11	ELECT	47μF	20%	35V	C8065	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C8015	1-126-947-11	ELECT	47μF	20%	35V	C8073	1-162-962-11	CERAMIC CHIP	470pF	10%	50V
C8016	1-130-495-00	MYLAR	0.1μF	5%	50V	C8074	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8017	1-126-964-11	ELECT	10μF	20%	50V	C8075	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8018	1-126-964-11	ELECT	10μF	20%	50V	C8076	1-126-963-11	ELECT	4.7μF	20%	50V
C8020	1-130-495-00	MYLAR	0.1μF	5%	50V	C8077	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C8021	1-162-974-11	CERAMIC CHIP	0.01μF		50V	C8079	1-127-715-91	CERAMIC CHIP	0.22μF	10%	16V
C8024	1-126-967-11	ELECT	47μF	20%	50V	C8139	1-165-176-11	CERAMIC CHIP	0.047μF	10%	16V
C8025	1-126-947-11	ELECT	47μF	20%	35V	<b>CONNECTOR</b>					
C8027	1-130-495-00	MYLAR	0.1μF	5%	50V	* CN5001	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
C8028	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V	* CN5002	1-580-798-11	CONNECTOR PIN (DY)	6P		
C8030	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V	* CN5003	1-564-507-11	PLUG, CONNECTOR	4P		
C8031	1-104-663-11	ELECT	33μF	20%	25V	* CN5009	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
C8032	1-136-813-11	FILM	680pF	5%	100V	* CN5011	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
C8033	1-126-964-11	ELECT	10μF	20%	50V						
C8035	1-100-614-81	CERAMIC	330pF	5%	1KV	* CN5509	1-564-515-11	PLUG, CONNECTOR	12P		
C8036	1-100-614-81	CERAMIC	330pF	5%	1KV	* CN6502	1-766-240-11	PIN, CONNECTOR (PC BOARD)	2P		
C8037	1-165-953-11	FILM	47000pF	3%	800V	* CN6503	1-564-508-11	PLUG, CONNECTOR	5P		
C8040	1-126-969-11	ELECT	220μF	20%	50V	* CN6504	1-564-515-11	PLUG, CONNECTOR	12P		
C8041	1-130-777-00	MYLAR	0.1μF	5%	100V	* CN6506	1-779-890-11	CONNECTOR, BOARD TO BOARD	10P		
C8042	1-136-189-00	MYLAR	0.1μF	10%	250V	<b>DIODE</b>					
C8045	1-130-475-00	MYLAR	0.0022μF	5%	50V	D5001	8-719-083-60	DIODE	UDZSTE-174.7B		
C8046	1-107-444-11	CERAMIC CHIP	100pF	5%	2KV	D5002	8-719-908-03	DIODE	GP08D		
(KD-36XS955 ONLY)						D5003	8-719-028-45	DIODE	D2L20U		
C8047	1-162-130-11	CERAMIC CHIP	180pF	10%	2KV	D5004	8-719-083-82	DIODE	UDZS-TE17-12B		
(KD-36XS955 ONLY)						D5005	8-719-404-50	DIODE	MA111-TX		
C8048	1-137-378-11	MYLAR	0.22μF	5%	50V						
C8050	1-100-122-31	FILM	0.022μF	5%	400V						
C8051	1-126-964-11	ELECT	10μF	20%	50V						





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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
D5006	8-719-404-50	DIODE	MA111-TX	D6520	8-719-063-74	DIODE	D1NL20U-TR2
D5007	8-719-404-50	DIODE	MA111-TX	D6521	8-719-404-50	DIODE	MA111-TX
D5008	8-719-404-50	DIODE	MA111-TX	D6523	8-719-060-89	DIODE	D4SBS6-F
D5010	8-719-404-50	DIODE	MA111-TX	D6524	8-719-062-40	DIODE	D4SBL20μF3
D5011	8-719-109-63	DIODE	RD3.0ESB2	D6525	8-719-982-27	DIODE	MTZJ-33C
D5014	8-719-075-66	DIODE	D5LC20U-4012	D6530	8-719-510-53	DIODE	D4SB60L
D5015	8-719-948-45	DIODE	ERA22-08	D6532	8-719-948-45	DIODE	ERA22-08
	(KD-36XS955 ONLY)			D6533	8-719-404-50	DIODE	MA111-TX
D5016	8-719-028-45	DIODE	D2L20U	D6534	8-719-404-50	DIODE	MA111-TX
D5017	8-719-028-45	DIODE	D2L20U	D6537	8-719-404-50	DIODE	MA111-TX
D5018	8-719-083-83	DIODE	UDZS-TE17-15B	D6538	8-719-109-85	DIODE	RD5.1ESB2
D5019	8-719-404-50	DIODE	MA111-TX	D8001	8-719-404-50	DIODE	MA111-TX
D5020	8-719-948-45	DIODE	ERA22-08	D8003	8-719-404-50	DIODE	MA111-TX
	(KD-36XS955 ONLY)			D8005	8-719-404-50	DIODE	MA111-TX
D5023	8-719-061-21	DIODE	FMQ-G5FMS	D8006	8-719-063-74	DIODE	D1NL20U-TR2
D5027	8-719-404-50	DIODE	MA111-TX	D8007	8-719-404-50	DIODE	MA111-TX
D5028	8-719-404-50	DIODE	MA111-TX	D8009	8-719-083-83	DIODE	UDZS-TE17-15B
D5032	8-719-404-50	DIODE	MA111-TX	D8010	8-719-979-64	DIODE	μF4005PKG23
D5035	8-719-302-43	DIODE	EL1Z	D8011	8-719-110-41	DIODE	RD15ESB2
D5036	8-719-302-43	DIODE	EL1Z	D8012	8-719-110-41	DIODE	RD15ESB2
D5501	8-719-404-50	DIODE	MA111-TX	D8013	8-719-083-83	DIODE	UDZS-TE17-15B
D5502	8-719-404-50	DIODE	MA111-TX	D8014	8-719-083-83	DIODE	UDZS-TE17-15B
D5504	8-719-404-50	DIODE	MA111-TX	D8015	8-719-404-50	DIODE	MA111-TX
D5506	8-719-404-50	DIODE	MA111-TX	D8016	8-719-948-45	DIODE	ERA22-08
D5508	8-719-404-50	DIODE	MA111-TX	D8017	8-719-948-45	DIODE	ERA22-08
D5511	8-719-062-51	DIODE	1PS226-115	D8018	8-719-948-45	DIODE	ERA22-08
D5512	8-719-062-51	DIODE	1PS226-115	 D8022	8-719-063-74	DIODE	D1NL20U-TR2
D5513	8-719-404-50	DIODE	MA111-TX	D8023	8-719-109-85	DIODE	RD5.1ESB2
D5514	8-719-060-90	DIODE	S2L60F	D8024	8-719-109-85	DIODE	RD5.1ESB2
D5515	8-719-404-50	DIODE	MA111-TX	D8026	8-719-404-50	DIODE	MA111-TX
D6502	8-719-979-64	DIODE	UF4005PKG23	D8028	8-719-069-54	DIODE	UDZSTE-175.1B
D6504	8-719-075-66	DIODE	D5LC20U-4012	D8030	8-719-083-66	DIODE	UDZSTE-1718B
	(KD-36XS955 ONLY)			D8034	8-719-921-63	DIODE	MTZJ-7.5B
D6504	8-719-510-12	DIODE	D10SC4M	D8140	8-719-404-50	DIODE	MA111-TX
	(ALL EXCEPT KD-36XS955)						
D6505	8-719-404-50	DIODE	MA111-TX		<b>FERRITE BEAD</b>		
D6508	8-719-982-27	DIODE	MTZJ-33C	FB5001	1-410-397-21	FERRITE	1.1μH
D6509	8-719-068-00	DIODE	ERC04-06SE	FB5002	1-543-298-11	FERRITE	0μH
D6510	8-719-068-00	DIODE	ERC04-06SE	FB5003	1-410-397-21	FERRITE	1.1μH
D6513	8-719-510-12	DIODE	D10SC4M	FB6501	1-410-397-21	FERRITE	1.1μH
D6514	8-719-060-89	DIODE	D4SBS6-F	FB6508	1-410-396-41	FERRITE	0.45μH
D6516	8-719-075-66	DIODE	D5LC20U-4012	FB6509	1-410-396-41	FERRITE	0.45μH
D6518	8-719-052-90	DIODE	D1NL40-TA2	FB6519	1-410-397-21	FERRITE	1.1μH
D6519	8-719-063-74	DIODE	D1NL20U-TR2				


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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
FB6520	1-412-911-11	FERRITE	0μH	JR5010	1-216-864-11	SHORT CHIP	
FB6521	1-412-911-11	FERRITE	0μH	JR5011	1-216-864-11	SHORT CHIP	
FB8001	1-412-911-11	FERRITE	0μH	JR5012	1-216-864-11	SHORT CHIP	
FB8002	1-412-911-11	FERRITE	0μH	JR5013	1-216-864-11	SHORT CHIP	
				JR5014	1-216-864-11	SHORT CHIP	
<b>IC</b>				JR5015	1-216-864-11	SHORT CHIP	
IC5001	8-759-701-01	IC	NJM2904M	JR5016	1-216-864-11	SHORT CHIP	
IC5002	8-759-700-07	IC	NJM2903M	JR5017	1-216-864-11	SHORT CHIP	
IC5003	8-759-701-01	IC	NJM2904M	JR5065	1-216-864-11	SHORT CHIP	
IC5004	8-759-192-71	IC	STV9379	JR5501	1-216-864-11	SHORT CHIP	
IC5005	8-759-803-42	IC	LA6500-FA	JR5504	1-216-864-11	SHORT CHIP	
IC5006	8-749-013-76	IC	PQ6RD83B	JR5505	1-216-864-11	SHORT CHIP	
IC5007	8-759-981-61	IC	LM2901M	JR8000	1-216-864-11	SHORT CHIP	
IC5502	8-759-981-61	IC	LM2901M	JR8001	1-216-864-11	SHORT CHIP	
IC5504	8-759-803-42	IC	LA6500-FA	JR8002	1-216-864-11	SHORT CHIP	
IC5506	8-759-803-42	IC	LA6500-FA	JR8003	1-216-864-11	SHORT CHIP	
IC5511	8-759-701-01	IC	NJM2904M	JR8005	1-216-864-11	SHORT CHIP	
IC5512	8-759-929-65	IC	LM7912CT	JR8006	1-216-864-11	SHORT CHIP	
IC5515	8-759-701-01	IC	NJM2904M	JR8007	1-216-864-11	SHORT CHIP	
IC6501	6-705-810-01	IC	MCZ3001DB	JR8022	1-216-864-11	SHORT CHIP	
IC6502	6-700-897-01	IC	PQ12RD21	JR8023	1-216-864-11	SHORT CHIP	
 IC6503	8-749-012-13	IC	DM-58	JR8050	1-216-864-11	SHORT CHIP	
IC6505	8-749-921-86	IC	SE-140N	JR8051	1-216-864-11	SHORT CHIP	
 IC8001	8-759-700-07	IC	NJM2903M	(KD-30XS955 ONLY)			
 IC8002	6-705-810-01	IC	MCZ3001DB	<b>COIL</b>			
 IC8004	8-759-701-01	IC	NJM2904M	L5001	1-406-665-11	INDUCTOR	100μH
 IC8005	6-706-127-01	IC	TL1431ACZ-AP	L5003	1-406-892-31	INDUCTOR	4MH
IC8006	8-759-700-07	IC	NJM2903M	L5005	1-424-874-11	COIL, HORIZONTAL LINEARITY	
 IC8104	6-706-127-01	IC	TL1431ACZ-AP	(KD-36XS955 ONLY)			
<b>CHIP CONDUCTOR</b>				L5005	1-424-997-11	COIL, HORIZONTAL LINEARITY	
JR5000	1-216-864-11	SHORT CHIP		(KD-30XS955 ONLY)			
JR5001	1-216-864-11	SHORT CHIP		L5005	1-428-895-11	COIL, HORIZONTAL LINEARITY	
JR5002	1-216-864-11	SHORT CHIP		(KD-34XBR960/36XS955 ONLY)			
JR5003	1-216-864-11	SHORT CHIP		L5504	1-406-987-21	INDUCTOR	4.7MH
JR5004	1-216-864-11	SHORT CHIP		(ALL EXCEPT KD-36XS955)			
JR5005	1-216-864-11	SHORT CHIP		L5504	1-406-989-21	INDUCTOR	10MH
JR5006	1-216-864-11	SHORT CHIP		(KD-36XS955 ONLY)			
JR5007	1-216-864-11	SHORT CHIP		L5505	1-406-989-21	INDUCTOR	10MH
JR5008	1-216-864-11	SHORT CHIP		L5506	1-406-987-21	INDUCTOR	4.7MH
JR5009	1-216-864-11	SHORT CHIP		(ALL EXCEPT KD-36XS955)			
				L6501	1-412-525-31	INDUCTOR	10μH
				L6502	1-412-525-31	INDUCTOR	10μH

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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L6503	1-412-525-31	INDUCTOR	10μH	Q5018	8-729-422-27	TRANSISTOR	2SD601A-Q
L6505	1-406-665-11	INDUCTOR	100μH	Q5019	8-729-422-27	TRANSISTOR	2SD601A-Q
L6506	1-412-525-31	INDUCTOR	10μH	Q5020	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6507	1-412-525-31	INDUCTOR	10μH	Q5021	8-729-422-27	TRANSISTOR	2SD601A-Q
L6510	1-412-523-41	INDUCTOR	6.8μH	Q5022	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6511	1-412-523-41	INDUCTOR	6.8μH	Q5023	8-729-422-27	TRANSISTOR	2SD601A-Q
L6514	1-412-525-31	INDUCTOR	10μH	Q5024	8-729-422-27	TRANSISTOR	2SD601A-Q
L6517	1-412-521-31	INDUCTOR	4.7μH	Q5025	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L6518	1-412-521-31	INDUCTOR	4.7μH	Q5026	8-729-422-27	TRANSISTOR	2SD601A-Q
L8002	1-428-950-31	INDUCTOR	125μH	Q5027	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L8005	1-406-670-11	INDUCTOR	680μH	Q5028	8-729-038-83	TRANSISTOR	2SK2251-01-F19
	(ALL EXCEPT KD-36XS955)			Q5030	6-550-168-01	TRANSISTOR	2SC5682-RB
L8005	1-406-674-11	INDUCTOR	3.3MH	Q5031	6-550-188-01	TRANSISTOR	2SK3579-01MR-F119
	(KD-36XS955 ONLY)			Q5035	8-729-422-27	TRANSISTOR	2SD601A-Q
				Q5036	8-729-422-27	TRANSISTOR	2SD601A-Q
<b>PHOTO COUPLER</b>				Q5501	8-729-422-27	TRANSISTOR	2SD601A-Q
PH6501	8-749-016-81	PHOTO COUPLER	PC123Y22	Q5502	8-729-422-27	TRANSISTOR	2SD601A-Q
PH6502	8-749-016-81	PHOTO COUPLER	PC123Y22	Q5503	8-729-422-27	TRANSISTOR	2SD601A-Q
PH8001	8-749-016-81	PHOTO COUPLER	PC123Y22	Q5504	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
 PH8003	8-749-016-81	PHOTO COUPLER	PC123Y22	Q5505	8-729-422-27	TRANSISTOR	2SD601A-Q
PH8004	8-749-016-81	PHOTO COUPLER	PC123Y22	Q5506	8-729-422-27	TRANSISTOR	2SD601A-Q
<b>IC LINK</b>				Q5507	8-729-052-29	TRANSISTOR	2SK2876-01MR-F122
PS6505	1-576-288-42	IC LINK	10A 90V	Q5510	8-729-422-27	TRANSISTOR	2SD601A-Q
PS6506	1-576-288-42	IC LINK	10A 90V	Q5512	8-729-422-27	TRANSISTOR	2SD601A-Q
PS6550	1-576-288-42	IC LINK	10A 90V	Q5513	8-729-422-27	TRANSISTOR	2SD601A-Q
<b>TRANSISTOR</b>				Q5568	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5001	8-729-422-27	TRANSISTOR	2SD601A-Q	Q5569	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q5002	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q6506	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
Q5003	8-729-027-97	TRANSISTOR	IRFI9630G-LF	Q6507	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
Q5004	8-729-019-57	TRANSISTOR	2SA1208S-TP	Q6522	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q5005	8-729-422-27	TRANSISTOR	2SD601A-Q	Q6527	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5006	8-729-422-27	TRANSISTOR	2SD601A-Q	Q6530	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q5007	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q6532	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5008	8-729-422-27	TRANSISTOR	2SD601A-Q	Q8003	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5009	8-729-422-27	TRANSISTOR	2SD601A-Q	Q8004	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5010	8-729-422-27	TRANSISTOR	2SD601A-Q	 Q8007	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5011	8-729-422-27	TRANSISTOR	2SD601A-Q	 Q8008	8-729-422-27	TRANSISTOR	2SD601A-Q
Q5012	8-729-119-80	TRANSISTOR	2SC2688-LK	Q8011	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Q5013	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q8013	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
Q5014	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q8014	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31
Q5015	8-729-046-80	TRANSISTOR	2SC4634LS-CB11	Q8015	8-729-119-80	TRANSISTOR	2SC2688-LK
				Q8016	8-729-045-65	TRANSISTOR	2SA1776TV2Q
				Q8018	8-729-043-95	TRANSISTOR	2SC3840(3)
				Q8019	8-729-422-27	TRANSISTOR	2SD601A-Q



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q8020	8-729-422-27	TRANSISTOR	2SD601A-Q			R5020	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
Q8021	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R5023	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8022	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R5024	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8023	8-729-422-27	TRANSISTOR	2SD601A-Q			R5025	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
Q8028	8-729-422-27	TRANSISTOR	2SD601A-Q			R5026	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8034	8-729-422-27	TRANSISTOR	2SD601A-Q			R5027	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q8035	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R5028	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R5029	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
						R5030	1-216-864-11	SHORT CHIP			
						R5031	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
						R5033	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R5035	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
							(KD-34XBR960/34XS955 ONLY)				
						R5035	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
							(KD-30XS955 ONLY)				
						R5036	1-216-839-11	METAL CHIP	33K	5%	1/10W
						R5037	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
						R5038	1-216-834-11	METAL CHIP	12K	5%	1/10W
						R5040	1-218-748-11	METAL CHIP	220K	0.50%	1/10W
						R5041	1-249-383-11	CARBON	1.5	5%	1/4W
						R5042	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R5043	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
						R5044	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5045	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R5046	1-214-798-21	METAL	1.8	1%	1/2W
						R5047	1-249-421-11	CARBON	2.2K	5%	1/4W
						R5048	1-216-841-11	METAL CHIP	47K	5%	1/10W
						R5049	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5050	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5051	1-249-414-11	CARBON	560	5%	1/4W
						R5052	1-214-796-00	METAL	1.5	1%	1/2W
						R5053	1-215-890-11	METAL OXIDE	470	5%	2W
							(KD-36XS955 ONLY)				
						R5053	1-215-892-11	METAL OXIDE	1K	5%	2W
							(ALL EXCEPT KD-36XS955)				
						R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5060	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5061	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R5062	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R5063	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
							(ALL EXCEPT KD-36XS955)				
						R5063	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
							(KD-36XS955 ONLY)				
						R5064	1-218-748-11	METAL CHIP	220K	0.50%	1/10W





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5065	1-218-749-11	METAL CHIP (ALL EXCEPT KD-36XS955)	240K	0.50%	1/10W	R5087	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5065	1-218-750-11	METAL CHIP (KD-36XS955 ONLY)	270K	0.5%	1/10W	R5090	1-216-369-00	METAL OXIDE	1	5%	2W
R5066	1-218-740-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	100K	0.50%	1/10W	R5091	1-249-389-11	CARBON	4.7	5%	1/4W
R5066	1-218-746-11	METAL CHIP (KD-36XS955 ONLY)	180K	0.5%	1/10W	R5092	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5066	1-218-748-11	METAL CHIP (KD-30XS955 ONLY)	220K	0.5%	1/10W	R5093	1-218-717-11	METAL CHIP	11K	0.50%	1/10W
R5068	1-218-742-11	METAL CHIP (KD-36XS955 ONLY)	120K	0.5%	1/10W	R5095	1-249-377-11	CARBON	0.47	5%	1/4W
R5068	1-218-750-11	METAL CHIP (ALL EXCEPT KD-36XS955)	270K	0.50%	1/10W	R5096	1-249-377-11	CARBON	0.47	5%	1/4W
R5069	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5097	1-249-380-11	CARBON	0.82	5%	1/4W
R5070	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R5098	1-249-379-11	CARBON	0.68	5%	1/4W
R5071	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R5101	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R5072	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5102	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
R5073	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5103	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
R5074	1-260-328-11	CARBON	1K	5%	1/2W	R5104	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5075	1-249-377-11	METAL OXIDE (KD-36XS955 ONLY)	0.47	5%	1/4W	R5105	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5076	1-215-900-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	22K	5%	2W	R5106	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5076	1-215-903-11	METAL OXIDE (KD-36XS955 ONLY)	68K	5%	2W	R5107	1-249-393-11	CARBON	10	5%	1/4W
R5077	1-215-900-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	22K	5%	2W	R5108	1-218-736-11	METAL CHIP	68K	0.50%	1/10W
R5077	1-215-903-11	METAL OXIDE (KD-36XS955 ONLY)	68K	5%	2W	R5109	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
R5078	1-218-684-11	METAL CHIP (ALL EXCEPT KD-36XS955)	470	0.50%	1/10W	R5110	1-249-401-11	CARBON	47	5%	1/4W
R5078	1-218-692-11	METAL CHIP (KD-36XS955 ONLY)	1K	0.5%	1/10W	R5111	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R5079	1-218-720-11	METAL CHIP	15K	0.50%	1/10W	R5112	1-216-813-11	METAL CHIP	220	5%	1/10W
R5080	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5113	1-260-107-11	CARBON	4.7K	5%	1/2W
R5081	1-218-728-11	METAL CHIP (ALL EXCEPT KD-36XS955)	33K	0.50%	1/10W	R5115	1-249-417-11	CARBON	1K	5%	1/4W
R5081	1-218-740-11	METAL CHIP (KD-36XS955 ONLY)	100K	0.5%	1/10W	R5116	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5082	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R5117	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5083	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R5118	1-216-797-11	METAL CHIP	10	5%	1/10W
R5084	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5120	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R5085	1-216-853-11	METAL CHIP	470K	5%	1/10W	R5124	1-216-809-11	METAL CHIP	100	5%	1/10W
R5086	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5125	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R5126	1-216-809-11	METAL CHIP	100	5%	1/10W
						R5127	1-215-890-11	METAL OXIDE (KD-36XS955 ONLY)	470	5%	2W
						R5127	1-215-892-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	1K	5%	2W
						R5128	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
						R5129	1-216-809-11	METAL CHIP	100	5%	1/10W
						R5130	1-216-797-11	METAL CHIP	10	5%	1/10W
						R5131	1-218-702-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	2.7K	0.50%	1/10W
						R5131	1-218-704-11	METAL CHIP (KD-36XS955 ONLY)	3.3K	0.50%	1/10W
						R5131	1-218-710-11	METAL CHIP (KD-30XS955 ONLY)	5.6K	0.50%	1/10W





REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5132	1-215-895-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	3.3K	5%	2W	R5170	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W
R5132	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W	R5171	1-215-896-00	METAL OXIDE (ALL EXCEPT KD-36XS955)	4.7K	5%	2W
R5133	1-215-895-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	3.3K	5%	2W	R5171	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W
R5133	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W	R5172	1-260-288-11	CARBON	0.47	5%	1/2W
R5135	1-215-895-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	3.3K	5%	2W	R5173	1-260-288-11	CARBON	0.47	5%	1/2W
R5135	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W	R5176	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5136	1-215-895-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	3.3K	5%	2W	R5501	1-218-716-11	METAL CHIP (ALL EXCEPT KD-36XS955)	10K	0.50%	1/10W
R5136	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W	R5501	1-218-728-11	METAL CHIP (KD-36XS955 ONLY)	33K	0.50%	1/10W
R5136	1-215-895-11	METAL OXIDE (ALL EXCEPT KD-36XS955)	3.3K	5%	2W	R5502	1-216-864-11	SHORT CHIP			
R5136	1-215-917-11	METAL OXIDE (KD-36XS955 ONLY)	1K	5%	3W	R5503	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5137	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R5505	1-218-750-11	METAL CHIP	270K	0.50%	1/10W
R5138	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5506	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5139	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5507	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5141	1-215-890-11	METAL OXIDE	470	5%	2W	R5508	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5142	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5510	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5143	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5144	1-216-365-00	METAL OXIDE	0.47	5%	2W	R5513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5145	1-215-880-00	METAL OXIDE	10	5%	2W	R5518	1-218-728-11	METAL CHIP	33K	0.50%	1/10W
R5146	1-249-437-11	CARBON	47K	5%	1/4W	R5519	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5147	1-218-702-11	METAL CHIP (KD-34XBR960/34XS955 ONLY)	2.7K	0.50%	1/10W	R5520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5147	1-218-704-11	METAL CHIP (KD-36XS955 ONLY)	3.3K	0.50%	1/10W	R5521	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5147	1-218-710-11	METAL CHIP (KD-30XS955 ONLY)	5.6K	0.50%	1/10W	R5522	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R5148	1-215-865-11	METAL OXIDE	220	5%	1W	R5523	1-218-744-11	METAL CHIP	150K	0.50%	1/10W
R5150	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5524	1-216-839-11	METAL CHIP	33K	5%	1/10W
R5151	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5525	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5153	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5526	1-216-853-11	METAL CHIP	470K	5%	1/10W
R5154	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5158	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5528	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5160	1-216-809-11	METAL CHIP	100	5%	1/10W	R5529	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R5163	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	R5530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5164	1-216-845-11	METAL CHIP	100K	5%	1/10W	R5532	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5165	1-216-841-11	METAL CHIP	47K	5%	1/10W	R5533	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5170	1-215-896-00	METAL OXIDE (ALL EXCEPT KD-36XS955)	4.7K	5%	2W	R5535	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R5536	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R5537	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
						R5538	1-216-837-11	METAL CHIP	22K	5%	1/10W
						R5539	1-216-849-11	METAL CHIP	220K	5%	1/10W
						R5540	1-214-800-11	METAL	2.2	1%	1/2W
						R5541	1-216-849-11	METAL CHIP	220K	5%	1/10W
						R5542	1-216-837-11	METAL CHIP	22K	5%	1/10W





NOTE: The components identified by shading and  mark are critical for safety. Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R5543	1-216-821-11	METAL CHIP	1K	5%	1/10W	R5712	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R5544	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R6501	1-218-662-11	METAL CHIP	56	0.50%	1/10W
R5545	1-218-732-11	METAL CHIP	47K	0.50%	1/10W	R6502	1-260-131-11	CARBON	470K	5%	1/2W
R5546	1-216-864-11	SHORT CHIP				R6503	1-216-835-11	METAL CHIP	15K	5%	1/10W
R5547	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6504	1-260-354-71	CARBON	150K	5%	1/2W
R5548	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6505	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R5549	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6506	1-260-354-71	CARBON	150K	5%	1/2W
R5551	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6507	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5552	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6508	1-249-393-11	CARBON	10	5%	1/4W
R5553	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R6509	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5554	1-218-732-11	METAL CHIP	47K	0.50%	1/10W	R6510	1-249-393-11	CARBON	10	5%	1/4W
R5555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R6511	1-260-298-51	CARBON	3.3	5%	1/2W
R5556	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6513	1-245-478-31	METAL	470K	1%	1/4W
R5557	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6514	1-245-477-31	METAL	430K	1%	1/4W
R5558	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6515	1-260-131-11	CARBON	470K	5%	1/2W
R5559	1-218-720-11	METAL CHIP	15K	0.50%	1/10W	 R6516	1-244-207-11	WIREWOUND	3.3	5%	10W
R5560	1-216-841-11	METAL CHIP	47K	5%	1/10W	R6517	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R5561	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R6518	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
R5562	1-218-734-11	METAL CHIP	56K	0.50%	1/10W	R6519	1-216-864-11	SHORT CHIP			
R5565	1-249-377-11	CARBON	0.47	5%	1/4W	R6521	1-260-328-11	CARBON	1K	5%	1/2W
R5566	1-249-401-11	CARBON	47	5%	1/4W	R6524	1-216-813-11	METAL CHIP	220	5%	1/10W
R5567	1-216-809-11	METAL CHIP	100	5%	1/10W	R6525	1-216-813-11	METAL CHIP	220	5%	1/10W
R5568	1-216-853-11	METAL CHIP	470K	5%	1/10W	R6526	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R5569	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6527	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5570	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6528	1-216-809-11	METAL CHIP	100	5%	1/10W
R5571	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6529	1-249-393-11	CARBON	10	5%	1/4W
R5572	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5576	1-249-395-11	CARBON	15	5%	1/4W	R6531	1-249-393-11	CARBON	10	5%	1/4W
R5578	1-218-730-11	METAL CHIP	39K	0.50%	1/10W	R6532	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5579	1-218-732-11	METAL CHIP	47K	0.50%	1/10W	R6533	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5580	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6535	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5581	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6536	1-249-417-11	CARBON	1K	5%	1/4W
R5582	1-216-821-11	METAL CHIP	1K	5%	1/10W	R6537	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5588	1-216-353-00	METAL OXIDE	2.2	5%	1W	R6538	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5589	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W	R6539	1-215-900-11	METAL OXIDE	22K	5%	2W
R5590	1-218-722-11	METAL CHIP	18K	0.50%	1/10W	R6542	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5591	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R6544	1-216-864-11	SHORT CHIP			
R5592	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6545	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5593	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R6547	1-216-864-11	SHORT CHIP			
R5594	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6548	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5597	1-218-750-11	METAL CHIP	270K	0.50%	1/10W	R6556	1-243-979-71	METAL OXIDE	0.1	5%	2W
R5603	1-216-857-11	METAL CHIP	1M	5%	1/10W	R6557	1-243-979-71	METAL OXIDE	0.1	5%	2W
R5604	1-216-857-11	METAL CHIP	1M	5%	1/10W	 R6590	1-249-415-11	CARBON	680	5%	1/4W
R5711	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R6593	1-249-405-11	CARBON	100	5%	1/4W


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
REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES			
R6595	1-249-377-11	CARBON	0.47	5%	1/4W	⚠ R8038	1-215-445-00	METAL	10K	1%	1/4W	
R6602	1-216-821-11	METAL CHIP	1K	5%	1/10W		(ALL EXCEPT KD-30XS955)					
R6605	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	⚠ R8038	1-215-447-00	METAL	12K	1%	1/4W	
R8001	1-216-809-11	METAL CHIP	100	5%	1/10W		(KD-30XS955 ONLY)					
R8003	1-216-837-11	METAL CHIP	22K	5%	1/10W	⚠ R8039	1-215-445-00	METAL	10K	1%	1/4W	
							(ALL EXCEPT KD-30XS955)					
R8004	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W							
R8005	1-216-837-11	METAL CHIP	22K	5%	1/10W	⚠ R8039	1-215-447-00	METAL	12K	1%	1/4W	
R8006	1-245-494-31	METAL	2.2M	2%	1/4W		(KD-30XS955 ONLY)					
R8007	1-245-494-31	METAL	2.2M	2%	1/4W	⚠ R8040	1-215-445-00	METAL	10K	1%	1/4W	
R8010	1-216-864-11	SHORT CHIP					(ALL EXCEPT KD-30XS955)					
						⚠ R8040	1-215-443-00	METAL	8.2K	1%	1/4W	
R8011	1-216-849-11	METAL CHIP	220K	5%	1/10W		(KD-30XS955 ONLY)					
⚠ R8012	1-249-419-11	CARBON	1.5K	5%	1/4W							
R8013	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8041	1-216-864-11	SHORT CHIP				
⚠ R8014	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	⚠ R8043	1-215-447-00	METAL	12K	1%	1/4W	
⚠ R8015	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	⚠ R8046	1-218-696-11	METAL CHIP	1.5K	0.50%	1/10W	
						R8049	1-218-668-11	METAL CHIP	100	0.50%	1/10W	
⚠ R8016	1-247-843-11	CARBON	3.3K	5%	1/4W	R8050	1-218-656-11	METAL CHIP	33	0.50%	1/10W	
⚠ R8017	1-218-705-11	METAL CHIP	3.6K	0.50%	1/10W							
⚠ R8019	1-218-719-11	METAL CHIP	13K	0.50%	1/10W	R8051	1-202-933-61	FUSIBLE	0.1	10%	1/2W	
R8020	1-216-833-11	METAL CHIP	10K	5%	1/10W	⚠ R8052	1-218-738-11	METAL CHIP	82K	0.50%	1/10W	
⚠ R8021	1-218-681-11	METAL CHIP	360	0.50%	1/10W		(ALL EXCEPT KD-30XS955)					
	(ALL EXCEPT KD-30XS955)					⚠ R8052	1-218-745-11	METAL CHIP	160K	0.50%	1/10W	
							(KD-30XS955 ONLY)					
⚠ R8021	1-216-864-11	SHORT CHIP										
	(KD-30XS955 ONLY)					R8053	1-245-478-31	METAL	470K	1%	1/4W	
R8022	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8054	1-245-478-31	METAL	470K	1%	1/4W	
R8024	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8056	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W	
R8025	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8057	1-218-719-11	METAL CHIP	13K	0.50%	1/10W	
						R8058	1-249-393-11	CARBON	10	5%	1/4W	
R8026	1-218-698-11	METAL CHIP	1.8K	0.50%	1/10W							
⚠ R8027	1-218-736-11	METAL CHIP	68K	0.50%	1/10W	⚠ R8059	1-216-813-11	METAL CHIP	220	5%	1/10W	
R8028	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	⚠ R8060	1-216-813-11	METAL CHIP	220	5%	1/10W	
⚠ R8029	1-218-736-11	METAL CHIP	68K	0.50%	1/10W	R8061	1-249-393-11	CARBON	10	5%	1/4W	
						R8062	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R8030	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R8063	1-216-833-11	METAL CHIP	10K	5%	1/10W	
⚠ R8031	1-218-740-11	METAL CHIP	100K	0.50%	1/10W							
R8032	1-216-844-11	METAL CHIP	82K	5%	1/10W	⚠ R8066	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R8033	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8069	1-249-421-11	CARBON	2.2K	5%	1/4W	
⚠ R8035	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R8070	1-243-979-71	METAL OXIDE	0.1	5%	2W	
						⚠ R8072	1-249-377-11	CARBON	0.47	5%	1/4W	
⚠ R8036	1-215-415-00	METAL	560	1%	1/4W		R8076	1-249-409-11	CARBON	220	5%	1/4W
	(ALL EXCEPT KD-30XS955)											
⚠ R8036	1-215-419-00	METAL	820	1%	1/4W	R8077	1-216-864-11	SHORT CHIP				
	(KD-30XS955 ONLY)					⚠ R8078	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	
⚠ R8037	1-215-445-00	METAL	10K	1%	1/4W	⚠ R8079	1-249-431-11	CARBON	15K	5%	1/4W	
	(ALL EXCEPT KD-30XS955)					R8080	1-249-401-11	CARBON	47	5%	1/4W	
						⚠ R8082	1-216-863-11	METAL CHIP	3.3M	5%	1/10W	
⚠ R8037	1-215-447-00	METAL	12K	1%	1/4W							
	(KD-30XS955 ONLY)					R8085	1-219-748-11	METAL	4.7K	5%	1/2W	
						R8086	1-219-749-91	METAL	10K	5%	1/2W	


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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R8087	1-216-864-11	SHORT CHIP				R8116	1-215-918-00	METAL OXIDE (KD-30XS955 ONLY)	1.5K	5%	3W
R8088	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8116	1-216-486-00	METAL OXIDE (KD-36XS955 ONLY)	8.2K	5%	3W
R8089	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8117	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8090	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8118	1-216-839-11	METAL CHIP	33K	5%	1/10W
R8093	1-208-834-11	METAL CHIP	150K	0.50%	1/10W	R8119	1-215-917-11	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	1K	5%	3W
R8096	1-216-864-11	SHORT CHIP				R8119	1-215-918-00	METAL OXIDE (KD-30XS955 ONLY)	1.5K	5%	3W
R8097	1-216-797-11	METAL CHIP	10	5%	1/10W	R8119	1-216-486-00	METAL OXIDE (KD-36XS955 ONLY)	8.2K	5%	3W
R8098	1-249-441-11	CARBON (KD-36XS955 ONLY)	100K	5%	1/4W	R8123	1-216-809-11	METAL CHIP	100	5%	1/10W
R8099	1-249-441-11	CARBON (KD-36XS955 ONLY)	100K	5%	1/4W	R8124	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8100	1-249-441-11	CARBON (KD-36XS955 ONLY)	100K	5%	1/4W	R8125	1-216-797-11	METAL CHIP	10	5%	1/10W
R8101	1-208-834-11	METAL CHIP	150K	0.50%	1/10W	R8126	1-216-797-11	METAL CHIP	10	5%	1/10W
R8102	1-249-433-11	CARBON	22K	5%	1/4W	R8135	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8103	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R8136	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8104	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8137	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8105	1-216-809-11	METAL CHIP	100	5%	1/10W	R8138	1-216-857-11	METAL CHIP	1M	5%	1/10W
R8106	1-249-377-11	CARBON	0.47	5%	1/4W	R8144	1-216-849-11	METAL CHIP	220K	5%	1/10W
R8108	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8145	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8109	1-215-917-11	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	1K	5%	3W	R8146	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8109	1-215-918-00	METAL OXIDE (KD-30XS955 ONLY)	1.5K	5%	3W	R8150	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8109	1-215-922-11	METAL OXIDE (KD-36XS955 ONLY)	6.8K	5%	3W	R8151	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8110	1-208-842-11	METAL CHIP	330K	0.50%	1/10W	R8158	1-216-809-11	METAL CHIP	100	5%	1/10W
R8111	1-215-917-11	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	1K	5%	3W	R8159	1-216-835-11	METAL CHIP	15K	5%	1/10W
R8111	1-215-918-00	METAL OXIDE (KD-30XS955 ONLY)	1.5K	5%	3W	R8160	1-216-853-11	METAL CHIP	470K	5%	1/10W
R8111	1-215-922-11	METAL OXIDE (KD-36XS955 ONLY)	6.8K	5%	3W	R8161	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8112	1-216-845-11	METAL CHIP	100K	5%	1/10W	 R8165	1-218-742-11	METAL CHIP	120K	0.50%	1/10W
R8113	1-208-842-11	METAL CHIP	330K	0.50%	1/10W	R8200	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8114	1-215-917-11	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	1K	5%	3W	R8202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8114	1-215-918-00	METAL OXIDE (KD-30XS955 ONLY)	1.5K	5%	3W	R8203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8114	1-216-486-00	METAL OXIDE (KD-36XS955 ONLY)	8.2K	5%	3W	R8204	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R8115	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8206	1-216-817-11	METAL CHIP	470	5%	1/10W
R8116	1-215-917-11	METAL OXIDE (KD-34XBR960/34XS955 ONLY)	1K	5%	3W	<b>RELAY</b>					
						 RY6501	1-755-395-11	RELAY (AC POWER)			
						 RY6502	1-755-389-11	RELAY (AC POWER)			
						<b>SPARK GAP</b>					
						SG8002	1-517-499-21	GAP, SPARK			


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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
<b>TRANSFORMER</b>				<b>IC</b>			
T5001	1-437-523-61	HORIZONTAL OUTPUT TRANSFORMER (ALL EXCEPT KD-36XS955)		IC1051	8-742-212-20	HYB IC	SBX3081-71
T5001	1-437-669-21	HORIZONTAL OUTPUT TRANSFORMER (KD-36XS955 ONLY)		IC1052	8-759-729-01	IC	NJM2901N
T5002	1-435-636-21	TRANSFORMER, HORIZONTAL DRIVE		IC1055	6-600-275-01	IC	MPXA6115AC7U
T6502	1-437-696-31	TRANSFORMER, CONVERTER		<b>TRANSISTOR</b>			
 T8001	1-453-464-11	FBT ASSY, NX-6200//X4J4		Q1051	8-729-423-33	TRANSISTOR	2SC3311A-QRSTA
T8003	1-437-664-11	DYNAMIC FOCUS TRANSFORMER (KD-36XS955 ONLY)		Q1052	8-729-119-76	TRANSISTOR	2SA1175-HFE
T8004	1-439-991-11	DYNAMIC FOCUS TRANSFORMER(DFT) (ALL EXCEPT KD-36XS955)		Q1060	8-729-423-33	TRANSISTOR	2SC3311A-QRSTA
				Q1061	8-729-119-76	TRANSISTOR	2SA1175-HFE
<b>THERMISTOR</b>				<b>RESISTOR</b>			
TH5002	1-807-796-11	THERMISTOR		R1052	1-249-409-11	CARBON	220 5% 1/4W
				R1053	1-249-409-11	CARBON	220 5% 1/4W
*	<b>A-1303-039-A</b>	<b>HCX BOARD, COMPLETE</b> (KD-34XBR960 ONLY)			(KD-34XBR960 ONLY)		
*	<b>A-1303-042-A</b>	<b>HCX BOARD, COMPLETE</b> (ALL EXCEPT KD-34XBR960)		R1054	1-249-433-11	CARBON	22K 5% 1/4W
<b>CAPACITOR</b>				R1055	1-249-385-11	CARBON	2.2 5% 1/4W
C1051	1-126-964-11	ELECT	10µF 20% 50V	R1056	1-249-417-11	CARBON	1K 5% 1/4W
C1053	1-126-964-11	ELECT	10µF 20% 50V	R1057	1-249-417-11	CARBON	1K 5% 1/4W
C1054	1-126-964-11	ELECT	10µF 20% 50V	R1058	1-215-442-00	METAL	7.5K 1% 1/4W
C1060	1-130-471-00	MYLAR	0.001µF 5% 50V	R1060	1-247-895-91	CARBON	470K 5% 1/4W
C1061	1-130-495-00	MYLAR	0.1µF 5% 50V	R1061	1-249-429-11	CARBON	10K 5% 1/4W
C1063	1-126-947-11	ELECT	47µF 20% 35V	R1062	1-247-895-91	CARBON	470K 5% 1/4W
C1064	1-137-150-11	FILM	0.01µF 5% 100V	R1063	1-249-429-11	CARBON	10K 5% 1/4W
C1065	1-137-150-11	FILM	0.01µF 5% 100V	R1064	1-215-453-00	METAL	22K 1% 1/4W
C1066	1-137-150-11	FILM	0.01µF 5% 100V	R1065	1-215-457-00	METAL	33K 1% 1/4W
<b>CONNECTOR</b>				R1066	1-215-453-00	METAL	22K 1% 1/4W
*	CN1052	1-564-509-11	PLUG, CONNECTOR 6P	R1067	1-215-461-00	METAL	47K 1% 1/4W
*	CN1053	1-564-510-11	PLUG, CONNECTOR 7P	R1068	1-215-453-00	METAL	22K 1% 1/4W
<b>DIODE</b>				R1069	1-215-465-00	METAL	68K 1% 1/4W
D1051	8-719-070-80	DIODE (KD-34XBR960 ONLY)	LNK0120022G	R1071	1-247-895-91	CARBON	470K 5% 1/4W
D1052	8-719-070-80	DIODE	LNK0120022G	R1072	1-249-429-11	CARBON	10K 5% 1/4W
D1057	8-719-991-33	DIODE	1SS133T-77	R1073	1-247-895-91	CARBON	470K 5% 1/4W
				R1075	1-249-429-11	CARBON	10K 5% 1/4W
				R1080	1-249-429-11	CARBON	10K 5% 1/4W
				R1081	1-249-437-11	CARBON	47K 5% 1/4W
				R1082	1-249-437-11	CARBON	47K 5% 1/4W
				R1083	1-249-429-11	CARBON	10K 5% 1/4W
				<b>SWITCH</b>			
				S1052	1-692-431-21	SWITCH, TACTILE	

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES
<u>THERMISTOR</u>					<u>CONNECTOR</u>				
TH1051	1-807-796-11	THERMISTOR				* CN9001	1-764-334-11	PIN, CONNECTOR(PCB)(V TYPE)11P	
					* CN9002	1-564-507-11	PLUG, CONNECTOR 4P		
					CN9003	1-695-915-11	TAB (CONTACT)		
					CN9004	1-695-915-11	TAB (CONTACT)		
					CN9009	1-785-879-11	CONNECTOR, ONE TOUCH		
					<u>DIODE</u>				
					D9005	8-719-404-50	DIODE	MA111-TX	
					D9006	8-719-051-85	DIODE	HSS83TD	
					D9007	8-719-051-85	DIODE	HSS83TD	
					D9008	8-719-051-85	DIODE	HSS83TD	
					D9009	8-719-908-03	DIODE	GP08D	
					D9010	8-719-110-17	DIODE	RD10ESB2	
					<u>IC</u>				
					IC9001	8-759-680-01	IC	TDA6120Q/N2/S1	
					IC9002	8-759-680-01	IC	TDA6120Q/N2/S1	
					IC9003	8-759-680-01	IC	TDA6120Q/N2/S1	
					<u>JACK</u>				
					 J9001	1-451-544-11	SOCKET, CRT		
					<u>COIL</u>				
					L9002	1-408-592-11	INDUCTOR	1.2μH	
					L9003	1-408-592-11	INDUCTOR	1.2μH	
					L9004	1-408-592-11	INDUCTOR	1.2μH	
					L9005	1-406-666-21	INDUCTOR	150μH	
					L9006	1-412-526-11	INDUCTOR	12μH	
					<u>NEON LAMP</u>				
					NL9003	1-519-421-11	GAP, DISCHARGE		
					<u>TRANSISTOR</u>				
					Q9001	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	
					Q9003	8-729-422-27	TRANSISTOR	2SD601A-Q	
					Q9004	8-729-422-27	TRANSISTOR	2SD601A-Q	
					Q9005	8-729-422-27	TRANSISTOR	2SD601A-Q	
					Q9007	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16	



REF. NO.	PART NO.	DESCRIPTION	VALUES		
<u>THERMISTOR</u>					
TH1051	1-807-796-11	THERMISTOR			
*	<b>A-1400-562-A</b>	<b>CX BOARD, MOUNTED</b>			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
<u>CAPACITOR</u>					
C9004	1-115-350-51	CERAMIC	0.0047μF	2KV	
C9009	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9010	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9011	1-161-830-00	CERAMIC	0.0047μF		500V
C9012	1-161-830-00	CERAMIC	0.0047μF		500V
C9013	1-163-035-00	CERAMIC CHIP	0.047μF		50V
C9014	1-161-830-00	CERAMIC	0.0047μF		500V
C9015	1-163-104-00	CERAMIC CHIP	30pF	5%	50V
C9018	1-107-961-91	ELECT	10μF	20%	250V
C9019	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9020	1-107-961-91	ELECT	10μF	20%	250V
C9021	1-107-961-91	ELECT	10μF	20%	250V
C9022	1-101-006-00	CERAMIC	0.047μF		50V
C9023	1-101-006-00	CERAMIC	0.047μF		50V
C9024	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9025	1-104-653-11	ELECT	220μF	20%	16V
C9026	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9027	1-101-006-00	CERAMIC	0.047μF		50V
C9031	1-115-349-51	CERAMIC	0.01μF		2KV
C9032	1-162-116-00	CERAMIC	680pF	10%	2KV
C9033	1-107-662-11	ELECT	22μF	20%	350V
C9036	1-115-339-11	CERAMIC CHIP	0.1μF	10%	50V
C9042	1-128-527-11	ELECT	330μF	20%	25V
C9044	1-126-934-11	ELECT	220μF	20%	16V
C9045	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9046	1-126-933-11	ELECT	100μF	20%	16V
C9048	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9049	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9050	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C9051	1-165-319-11	CERAMIC CHIP	0.1μF		50V

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9009	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9051	1-219-744-11	METAL	220	5%	1/2W
Q9010	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9052	1-219-744-11	METAL	220	5%	1/2W
Q9011	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9056	1-219-743-11	METAL	100	5%	1/2W
Q9013	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16			R9057	1-219-510-11	METAL	470K	5%	1/2W
Q9014	8-729-823-81	TRANSISTOR	2SC4632LS-CB7			R9059	1-219-746-11	METAL	1K	5%	1/2W
Q9015	8-729-141-73	TRANSISTOR	2SC3624A-T1L15L16								
<b>RESISTOR</b>											
R9001	1-216-633-11	METAL CHIP	180	0.50%	1/10W	R9061	1-219-743-11	METAL	100	5%	1/2W
R9006	1-216-073-91	RES-CHIP	10K	5%	1/10W	R9062	1-260-123-11	CARBON	100K	5%	1/2W
R9007	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W	R9063	1-216-097-11	RES-CHIP	100K	5%	1/10W
R9012	1-216-295-91	SHORT CHIP				R9070	1-249-403-11	CARBON	68	5%	1/4W
R9013	1-216-049-11	RES-CHIP	1K	5%	1/10W	R9071	1-247-807-31	CARBON	100	5%	1/4W
R9014	1-216-033-00	RES-CHIP	220	5%	1/10W	R9072	1-216-025-11	RES-CHIP	100	5%	1/10W
R9015	1-249-409-11	CARBON	220	5%	1/4W	R9073	1-216-049-11	RES-CHIP	1K	5%	1/10W
R9016	1-216-033-00	RES-CHIP	220	5%	1/10W	R9074	1-208-782-11	METAL CHIP	1K	0.50%	1/10W
R9018	1-216-633-11	METAL CHIP	180	0.50%	1/10W	R9077	1-216-073-91	RES-CHIP	10K	5%	1/10W
R9019	1-216-633-11	METAL CHIP	180	0.50%	1/10W	R9089	1-208-803-11	METAL CHIP	7.5K	0.50%	1/10W
R9020	1-216-025-11	RES-CHIP	100	5%	1/10W	R9091	1-215-429-00	METAL	2.2K	1%	1/4W
R9021	1-216-103-00	RES-CHIP	180K	5%	1/10W	R9092	1-216-295-91	SHORT CHIP			
R9022	1-216-073-91	RES-CHIP	10K	5%	1/10W	R9094	1-216-295-91	SHORT CHIP			
R9023	1-216-103-00	RES-CHIP	180K	5%	1/10W	R9095	1-216-295-91	SHORT CHIP			
R9025	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9026	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W						
R9027	1-216-103-00	RES-CHIP	180K	5%	1/10W						
R9028	1-216-103-00	RES-CHIP	180K	5%	1/10W						
R9029	1-216-073-91	RES-CHIP	10K	5%	1/10W						
R9030	1-216-073-91	RES-CHIP	10K	5%	1/10W						
R9031	1-208-783-11	METAL CHIP	1.1K	0.50%	1/10W						
R9032	1-216-103-00	RES-CHIP	180K	5%	1/10W						
R9033	1-215-435-00	METAL	3.9K	1%	1/4W						
R9034	1-215-428-00	METAL	2K	1%	1/4W						
R9035	1-216-103-00	RES-CHIP	180K	5%	1/10W						
R9036	1-216-083-00	RES-CHIP	27K	5%	1/10W						
R9037	1-215-926-00	METAL OXIDE	33K	5%	3W						
R9039	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9041	1-216-083-00	RES-CHIP	27K	5%	1/10W						
R9042	1-216-083-00	RES-CHIP	27K	5%	1/10W						
R9043	1-215-926-00	METAL OXIDE	33K	5%	3W						
R9044	1-215-926-00	METAL OXIDE	33K	5%	3W						
R9047	1-219-744-11	METAL	220	5%	1/2W						
R9048	1-216-049-11	RES-CHIP	1K	5%	1/10W						
R9049	1-216-049-11	RES-CHIP	1K	5%	1/10W						

<b>VARIABLE RESISTOR</b>					
	RV9001	1-241-714-11	RES, ADJ, METAL FILM 110M		
					
*	<b>A-1405-292-A</b>		<b>HAX BOARD, MOUNTED</b>		
<b>CONNECTOR</b>					
*	CN1001	1-764-333-11	PIN, CONNECTOR(PCB)(V TYPE)		10P
*	CN1002	1-564-509-11	PLUG, CONNECTOR		6P
<b>RESISTOR</b>					
R1002	1-249-431-11	CARBON	15K	5%	1/4W
R1003	1-249-413-11	CARBON	470	5%	1/4W
R1004	1-249-415-11	CARBON	680	5%	1/4W
R1005	1-249-417-11	CARBON	1K	5%	1/4W
R1006	1-249-421-11	CARBON	2.2K	5%	1/4W
R1007	1-249-425-11	CARBON	4.7K	5%	1/4W
R1008	1-249-431-11	CARBON	15K	5%	1/4W
R1009	1-249-413-11	CARBON	470	5%	1/4W
R1010	1-249-415-11	CARBON	680	5%	1/4W



HAX

HBZ

WY

REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R1011	1-249-417-11	CARBON	1K	5%	1/4W	<b>CHIP CONDUCTOR</b>					
R1012	1-249-421-11	CARBON	2.2K	5%	1/4W	JR1100	1-216-864-11	SHORT CHIP			
R1013	1-249-425-11	CARBON	4.7K	5%	1/4W	JR1101	1-216-864-11	SHORT CHIP			
						JR1102	1-216-864-11	SHORT CHIP			
						JR1103	1-216-864-11	SHORT CHIP			
						JR1104	1-216-864-11	SHORT CHIP			
						JR1105	1-216-864-11	SHORT CHIP			
						JR1106	1-216-864-11	SHORT CHIP			
						JR1107	1-216-864-11	SHORT CHIP			
						<b>RESISTOR</b>					
						R1100	1-216-853-11	METAL CHIP	470K	5%	1/10W
						R1101	1-216-853-11	METAL CHIP	470K	5%	1/10W
						R1102	1-218-665-11	METAL CHIP	75	0.50%	1/10W
						R1103	1-218-665-11	METAL CHIP	75	0.50%	1/10W
						R1104	1-216-864-11	SHORT CHIP			
						R1105	1-216-864-11	SHORT CHIP			
						R1106	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R1107	1-218-665-11	METAL CHIP	75	0.50%	1/10W
						R1108	1-216-864-11	SHORT CHIP			
						<b>VARISTOR</b>					
						VD1102	1-803-974-21	VARISTOR, CHIP	(1608)		
						<b>CAPACITOR</b>					
C1100	1-126-960-11	ELECT	1μF	20%	50V	C9101	1-104-999-11	MYLAR	0.1μF	5%	200V
C1101	1-126-960-11	ELECT	1μF	20%	50V	C9104	1-126-933-11	ELECT	100μF	20%	16V
						C9105	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
						C9106	1-164-156-11	CERAMIC CHIP	0.1μF		25V
						C9108	1-107-662-11	ELECT	22μF	20%	350V
						C9109	1-161-830-00	CERAMIC	0.0047μF		500V
						C9110	1-164-156-11	CERAMIC CHIP	0.1μF		25V

HBZ

\*A-1415-859-AHBZ MOUNTED PC BOARD

**CAPACITOR**

C11001-126-960-11ELECT1μF20%50V

C11011-126-960-11ELECT1μF20%50V

**CONNECTOR**

CN11001-764-334-11PIN, CONNECTOR(PCB)(V TYPE)11P

**DIODE**

D11008-719-977-28DIODEDTZ10B

D11018-719-977-28DIODEDTZ10B

D11038-719-977-28DIODEDTZ10B

**FILTER**

FL11031-409-755-11FERRITE0μH

FL11041-409-755-11FERRITE0μH

**JACK**

J11001-770-053-12TERMINAL BLOCK, S(LIGHT ANGLE)

WY

\*A-1062-018-AWY (VAR) BOARD, MOUNTED  
(KD-36XS955 ONLY)

\*A-1415-862-AWY (VAR) BOARD, MOUNTED  
(KD-34XBR960/34XS955 ONLY)

\*A-1415-869-AWY (VAR) BOARD, MOUNTED  
(KD-30XS955 ONLY)  
4-382-854-01SCREW (M3X8), P, SW (+)

**CAPACITOR**

C91011-104-999-11MYLAR0.1μF5%200V

C91041-126-933-11ELECT100μF20%16V

C91051-162-964-11CERAMIC CHIP0.001μF10%50V

C91061-164-156-11CERAMIC CHIP0.1μF25V

C91081-107-662-11ELECT22μF20%350V

C91091-161-830-00CERAMIC0.0047μF500V

C91101-164-156-11CERAMIC CHIP0.1μF25V

HBZ

\* A-1415-859-A HBZ MOUNTED PC BOARD

**CAPACITOR**

C1100	1-126-960-11	ELECT	1μF	20%	50V
C1101	1-126-960-11	ELECT	1μF	20%	50V

**CONNECTOR**

\* CN1100 1-764-334-11 PIN, CONNECTOR(PCB)(V TYPE)11P

**DIODE**

D1100	8-719-977-28	DIODE	DTZ10B
D1101	8-719-977-28	DIODE	DTZ10B
D1103	8-719-977-28	DIODE	DTZ10B

**FILTER**

FL1103	1-409-755-11	FERRITE	0μH
FL1104	1-409-755-11	FERRITE	0μH

**JACK**

J1100	1-770-053-12	TERMINAL BLOCK, S(LIGHT ANGLE)
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WY

\* A-1062-018-A WY (VAR) BOARD, MOUNTED  
(KD-36XS955 ONLY)

\* A-1415-862-A WY (VAR) BOARD, MOUNTED  
(KD-34XBR960/34XS955 ONLY)

\* A-1415-869-A WY (VAR) BOARD, MOUNTED  
(KD-30XS955 ONLY)  
4-382-854-01 SCREW (M3X8), P, SW (+)

**CAPACITOR**

C9101	1-104-999-11	MYLAR	0.1μF	5%	200V
C9104	1-126-933-11	ELECT	100μF	20%	16V
C9105	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
C9106	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C9108	1-107-662-11	ELECT	22μF	20%	350V
C9109	1-161-830-00	CERAMIC	0.0047μF		500V
C9110	1-164-156-11	CERAMIC CHIP	0.1μF		25V

202



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9114	8-729-422-27	TRANSISTOR	2SD601A-Q			R9132	1-218-713-11	METAL CHIP	7.5K	0.50%	1/10W
Q9115	8-729-422-27	TRANSISTOR	2SD601A-Q			R9133	1-249-391-11	CARBON	6.8	5%	1/4W
Q9116	8-729-422-27	TRANSISTOR	2SD601A-Q			R9134	1-249-383-11	CARBON	1.5	5%	1/4W
Q9117	8-729-422-27	TRANSISTOR	2SD601A-Q			R9135	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
Q9118	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9138	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
Q9119	8-729-048-49	TRANSISTOR	2SK3262-01MR-F119			R9139	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
Q9121	8-729-422-27	TRANSISTOR	2SD601A-Q			R9140	1-216-864-11	SHORT CHIP			
Q9122	8-729-422-27	TRANSISTOR	2SD601A-Q			R9141	1-214-657-11	METAL	1	1%	1/4W
Q9123	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9142	1-214-657-11	METAL	1	1%	1/4W
Q9124	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX			R9143	1-216-429-00	METAL OXIDE	270	5%	1W
Q9125	8-729-422-27	TRANSISTOR	2SD601A-Q								
RESISTOR						R9144	1-215-867-00	METAL OXIDE	470	5%	1W
R9101	1-216-805-11	METAL CHIP	47	5%	1/10W	R9145	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R9102	1-260-322-11	CARBON	330	5%	1/2W	R9146	1-249-385-11	CARBON	2.2	5%	1/4W
R9103	1-216-819-11	METAL CHIP	680	5%	1/10W	R9147	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
R9104	1-216-820-11	METAL CHIP	820	5%	1/10W	R9148	1-218-722-11	METAL CHIP	18K	0.50%	1/10W
R9105	1-216-837-11	METAL CHIP	22K	5%	1/10W						
						R9149	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9106	1-218-715-11	METAL CHIP	9.1K	0.50%	1/10W	R9150	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R9107	1-216-809-11	METAL CHIP	100	5%	1/10W	R9151	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9108	1-216-817-11	METAL CHIP	470	5%	1/10W	(ALL EXCEPT KD-36XS955)					
R9109	1-216-817-11	METAL CHIP	470	5%	1/10W	R9151	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R9110	1-216-805-11	METAL CHIP	47	5%	1/10W	(KD-36XS955 ONLY)					
						R9152	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R9111	1-216-805-11	METAL CHIP	47	5%	1/10W	(ALL EXCEPT KD-36XS955)					
R9112	1-249-389-11	CARBON	4.7	5%	1/4W	R9152	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
R9113	1-249-389-11	CARBON	4.7	5%	1/4W	(KD-36XS955 ONLY)					
R9114	1-249-389-11	CARBON	4.7	5%	1/4W	R9153	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9115	1-249-389-11	CARBON	4.7	5%	1/4W	R9154	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
						(ALL EXCEPT KD-36XS955)					
R9116	1-249-389-11	CARBON	4.7	5%	1/4W	R9154	1-218-726-11	METAL CHIP	27K	0.50%	1/10W
R9117	1-249-389-11	CARBON	4.7	5%	1/4W	(KD-36XS955 ONLY)					
R9118	1-249-389-11	CARBON	4.7	5%	1/4W	R9155	1-216-857-11	METAL CHIP	1M	5%	1/10W
R9119	1-249-389-11	CARBON	4.7	5%	1/4W	(ALL EXCEPT KD-36XS955)					
R9120	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R9156	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
						R9158	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9121	1-216-848-11	METAL CHIP	180K	5%	1/10W	(ALL EXCEPT KD-36XS955)					
R9122	1-216-847-11	METAL CHIP	150K	5%	1/10W	R9159	1-216-864-11	SHORT CHIP			
R9123	1-216-848-11	METAL CHIP	180K	5%	1/10W	(ALL EXCEPT KD-36XS955)					
R9124	1-216-847-11	METAL CHIP	150K	5%	1/10W						
R9125	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W	R9160	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
						R9162	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9126	1-216-805-11	METAL CHIP	47	5%	1/10W	R9164	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9127	1-216-805-11	METAL CHIP	47	5%	1/10W	R9166	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R9128	1-215-888-00	METAL OXIDE	220	5%	2W	R9167	1-218-732-11	METAL CHIP	47K	0.50%	1/10W
R9130	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W						
R9131	1-218-730-11	METAL CHIP	39K	0.50%	1/10W	R9168	1-216-839-11	METAL CHIP	33K	5%	1/10W
						R9169	1-216-841-11	METAL CHIP	47K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
R9170	1-216-841-11	METAL CHIP	47K	5%	1/10W	C9519	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9171	1-249-401-11	CARBON	47	5%	1/4W	C9521	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9172	1-216-809-11	METAL CHIP	100	5%	1/10W	C9523	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9173	1-215-888-00	METAL OXIDE	220	5%	2W	C9524	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9174	1-216-352-11	METAL OXIDE	1.8	5%	1W	C9525	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9175	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	C9526	1-126-394-11	ELECT CHIP	10μF	20%	16V
R9176	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	C9527	1-164-505-11	CERAMIC CHIP	2.2μF		16V
R9177	1-216-864-11	SHORT CHIP				C9528	1-126-246-11	ELECT CHIP	220μF	20%	4V
R9179	1-216-864-11	SHORT CHIP				C9529	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R9180	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	C9530	1-126-394-11	ELECT CHIP	10μF	20%	16V
	(KD-30XS955 ONLY)					C9531	1-126-394-11	ELECT CHIP	10μF	20%	16V
R9180	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	C9532	1-126-394-11	ELECT CHIP	10μF	20%	16V
	(ALL EXCEPT KD-30XS955)					C9533	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9181	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	C9534	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9182	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	C9535	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9185	1-249-385-11	CARBON	2.2	5%	1/4W	C9537	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R9186	1-216-833-11	METAL CHIP	10K	5%	1/10W	C9538	1-162-964-11	CERAMIC CHIP	0.001μF	10%	50V
R9187	1-249-389-11	CARBON	4.7	5%	1/4W	C9540	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
R9188	1-249-389-11	CARBON	4.7	5%	1/4W	C9541	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
R9189	1-249-389-11	CARBON	4.7	5%	1/4W	C9542	1-126-394-11	ELECT CHIP	10μF	20%	16V
R9190	1-249-389-11	CARBON	4.7	5%	1/4W	C9543	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
						C9545	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
						C9546	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
						C9547	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						C9549	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9550	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9551	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9552	1-126-246-11	ELECT CHIP	220μF	20%	4V
						C9553	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
						C9554	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9555	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9557	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9558	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						C9559	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9560	1-126-246-11	ELECT CHIP	220μF	20%	4V
						C9561	1-100-756-91	CERAMIC CHIP	0.047μF		50V
						C9562	1-127-692-11	CERAMIC CHIP	10μF	10%	16V
						C9563	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9566	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9570	1-100-566-91	CERAMIC CHIP	0.1μF	10%	25V
						C9571	1-126-394-11	ELECT CHIP	10μF	20%	16V
						C9575	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
						C9576	1-126-394-11	ELECT CHIP	10μF	20%	16V



\* **A-1085-903-A PA BOARD, COMPLETE**  
 The P and PA Boards are interchangeable.  
 Either board can be used as a replacement.

**Due to the complexity of this board, performing component level field repairs is not recommended. If service is required, complete board replacement is the preferred repair method.**

**Data is provided for reference only.**

#### CAPACITOR

C9507	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V
C9508	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9509	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9510	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C9511	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9513	1-162-966-11	CERAMIC CHIP	0.0022μF	10%	50V
C9514	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9515	1-126-394-11	ELECT CHIP	10μF	20%	16V
C9516	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C9517	1-126-394-11	ELECT CHIP	10μF	20%	16V

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REF. NO.	PART NO.	DESCRIPTION	VALUES			REF. NO.	PART NO.	DESCRIPTION	VALUES		
Q9514	8-729-027-62	TRANSISTOR	DTC144WKA-T146			R9556	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q9516	8-729-421-22	TRANSISTOR	UN2211			R9557	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
Q9517	8-729-421-22	TRANSISTOR	UN2211			R9558	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
<b>RESISTOR</b>					R9559	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9560	1-216-864-11	SHORT CHIP				
					R9562	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9563	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	
					R9564	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R9501	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9565	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9502	1-218-665-11	METAL CHIP	75	0.50%	1/10W	R9566	1-216-864-11	SHORT CHIP			
R9505	1-216-841-11	METAL CHIP	47K	5%	1/10W						
R9506	1-216-864-11	SHORT CHIP									
R9507	1-216-857-11	METAL CHIP	1M	5%	1/10W						
					R9569	1-216-845-11	METAL CHIP	100K	5%	1/10W	
					R9572	1-216-837-11	METAL CHIP	22K	5%	1/10W	
					R9574	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9575	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9576	1-216-857-11	METAL CHIP	1M	5%	1/10W	
R9508	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R9509	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R9510	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
R9511	1-216-803-11	METAL CHIP	33	5%	1/10W						
R9512	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
					R9577	1-216-857-11	METAL CHIP	1M	5%	1/10W	
					R9580	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9581	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9582	1-216-833-11	METAL CHIP	10K	5%	1/10W	
					R9584	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R9513	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
R9514	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
R9515	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
R9516	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
R9517	1-218-665-11	METAL CHIP	75	0.50%	1/10W						
					R9585	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9586	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9592	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9595	1-216-817-11	METAL CHIP	470	5%	1/10W	
					R9597	1-216-803-11	METAL CHIP	33	5%	1/10W	
R9518	1-216-857-11	METAL CHIP	1M	5%	1/10W						
R9519	1-216-803-11	METAL CHIP	33	5%	1/10W						
R9520	1-216-816-11	METAL CHIP	390	5%	1/10W						
R9526	1-218-716-11	METAL CHIP	10K	0.50%	1/10W						
R9528	1-216-837-11	METAL CHIP	22K	5%	1/10W						
					R9602	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9606	1-216-864-11	SHORT CHIP				
					R9611	1-216-864-11	SHORT CHIP				
					R9612	1-216-864-11	SHORT CHIP				
					R9614	1-216-809-11	METAL CHIP	100	5%	1/10W	
R9534	1-218-686-11	METAL CHIP	560	0.50%	1/10W						
R9535	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R9538	1-218-823-11	METAL CHIP	100	0.50%	1/10W						
R9539	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R9540	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
					R9615	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9616	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9623	1-216-845-11	METAL CHIP	100K	5%	1/10W	
					R9624	1-216-845-11	METAL CHIP	100K	5%	1/10W	
					R9625	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R9541	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W						
R9542	1-216-850-11	METAL CHIP	270K	5%	1/10W						
R9543	1-218-686-11	METAL CHIP	560	0.50%	1/10W						
R9544	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W						
R9546	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W						
					R9626	1-216-833-11	METAL CHIP	10K	5%	1/10W	
					R9627	1-216-809-11	METAL CHIP	100	5%	1/10W	
					R9850	1-216-833-11	METAL CHIP	10K	5%	1/10W	
					R9851	1-216-821-11	METAL CHIP	1K	5%	1/10W	
					R9852	1-218-644-11	METAL CHIP	10	0.50%	1/10W	
R9547	1-216-845-11	METAL CHIP	100K	5%	1/10W						
R9548	1-218-716-11	METAL CHIP	10K	0.50%	1/10W						
R9552	1-216-817-11	METAL CHIP	470	5%	1/10W						
R9555	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W						
					R9853	1-216-845-11	METAL CHIP	100K	5%	1/10W	
					R9854	1-216-845-11	METAL CHIP	100K	5%	1/10W	
					R9860	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	
						R9864	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W



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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
*	4-102-094-02	CUSHION, UPPER (KD-30XS955 ONLY)					
*	4-102-095-01	CUSHION, LOWER (KD-30XS955 ONLY)					
*	4-098-406-01	CUSHION, LOWER (KD-34XBR960 ONLY)					
*	4-102-099-01	CUSHION, LOWER (KD-34XS955 FOR STE ONLY)					
*	2-178-3343-01	CUSHION, LOWER (KD-34XS955 FOR PTG ONLY)					
*	4-102-207-01	CUSHION, LOWER (KD-36XS955 ONLY)					
	4-102-728-21	MANUAL, INSTRUCTION (ALL EXCEPT KD-34XBR960)					
	4-102-730-21	MANUAL, INSTRUCTION (KD-34XBR960 ONLY)					
	4-102-728-31	MANUAL, INSTRUCTION (KD-34XS955 CND)					
	2-148-611-21	QUICK START POSTER (ENGLISH) (ALL EXCEPT KD-34XBR960)					
*	4-041-423-11	SHEET, PROTECTION (KD-34XBR960/34XS955 ONLY)					
*	2-108-170-01	TRAY (KD-34XBR960 ONLY)					
<b>REMOTE COMMANDER</b>							
	1-478-821-11	REMOTE COMMANDER (RM-Y201) (KD-34XBR960 ONLY)					
	4-081-888-01	COVER, BATTERY (KD-34XBR960 ONLY)					
	1-478-711-11	REMOTE COMMANDER RM-Y199 (ALL EXCEPT KD-34XBR960)					
	4-978-977-01	LID, BATTERY CASE (ALL EXCEPT KD-34XBR960)					

*In an effort to reduce the size of this pdf file the tiled schematics are not attached to this Service Manual. To receive a complete set of the tiled schematics for this manual please submit a request to [Service\\_Promotion@am.sony.com](mailto:Service_Promotion@am.sony.com).*